

A CONSOLIDATION OF BUEL'S CULTIVATOR AND THE GENESEE FARMER.

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LUTHER TUCKER, PROPRIETOR.

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" TO IMPROVE THE SOIL AND THE MIND."

NOTICE.—The co-partnership heretofore existing between the NOTICE.—The co-partnership heretofore existing setween the subscribers, in the publication of the Cultivator, under the co-partnership name of "Jesse Buel & Co." is this day dissolved by mutual consent. All debts and liabilities and business of the co-partnership will be settled at the office of the Cultivator by Luther Tucker, who will continue the business on his own account.

JESSE BUEL,

LUTHER TUCKER.

Dated September 1, 1841.

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Pourteenth Annual Fair of the Am. Institute.

Pourtoenth Annual Pair of the Am. Institute.

This association of individuals in the city of New-York, incorporated for purposes of the greatest national importance, and intended to advance the agricultural interest, and foster and protect domestic industry, holds its fourteenth annual meeting at New-York, on the 11th of October, and several succeeding days. It is not necessary here to refer to the extensive and beneficial agency which the Institute has already exerted by its annual exhibitions, by its numerous premiums, and by the encouragement it has afforded to the spirit of improvement, shown in our stock, our agricultural implements and our manufactured articles. The course of the Institute has been constantly onward. Each succeeding year has added to the interest of the Fair, and the number, variety, and importance of the animals and articles exhibited; and the Fair of the present year promises to far exceed any that has yet been held by the society. This may in part be attributed to the increased means of the Institute, and partly to the greater interest which the objects aimed at by the Institute receive from the public. The Institute is the recipient of that part of the legislative grant made in favor of agriculture, which would fall to the city of New-York, and thus most opportunely and fortunately for the public, its means of doing good are greatly increased. It will be seen from the extract which we give below, from the Circular of the Institute, of the new premiums which will this year be awarded, in addition to the former ones on cattle, sheep, horses, hogs, farm and garden products, and labor-saving machines, that the substantial interests are not overlooked or forgotten. The annual address, which is always by some distinguished individual, will this year be given by the Hon. Reverant Johnson of Maryland. There can be little doubt that the Fair this year will be most gratifying and honorable to the advocates of American agriculture and industry.

"I. For the best assortment of agricultural labor-

that the Fair this year will be most gratifying and honorable to the advocates of American agriculture and industry.

"I. For the best assortment of agricultural labor-saving machines exhibited by any one person or persons—a gold medal.

2. For the most complete assortment of horticultural machines from any one person or persons—a gold medal.

3. For the best plow—a gold medal or silver cup. Second best—silver medal. Third best—a diploma.

4. For the best silk reel, an improvement on those before exhibited—a gold medal.

5. For the best twisting and spinning machine, an improvement on any heretofore exhibited—a gold medal.

6. For the best silk loom, an improvement, as above—a gold medal.

7. For the best stocking loom for families, cheap, not liable og to du of vider, and simple in its operations—an improvement on those before exhibited—a gold medal.

8. For the best batter quantity not less than improvement on those before exhibited—a gold medal.

9. For the best cheese, not less than 100 pounds—a gold medal.

10. A premium for the best assortment of American Tropical fruits, flowers and vegetables.

11. A premium for vases, urns and artificial fountains.

12. For the best thereties on silk, for the young culturist, from the planting of the mulberry to the completion of the reeling of the silk—fifty dollars and a gold medal.

13. For the best design for an ornamental garden, with explanations—a gold medal.

14. For the best changes will also award a gold medal.

16. For the most complete assortment of specimens of American hardware, by Managers will also award a gold medal.

old medal. 16. For the most complete assortment of specimens of Ameri-in hardware, the Managers will also award a gold medal.??

National Society of Agriculture.

National Society of Agriculture.

It gives us great pleasure to state that our friend Solon Robinson, Esq., the zealous and able promoter of industry, and the original projector of a National Agricultural Society, has safely arrived at Washington, and that on the 4th of September a meeting was held in the Hall of the Patent Office, at which the incipient steps for the formation of such a society were taken. We perceive from a report of the proceedings kindly furnished us, that the numbers in attendance were very respectable, and actuated by the best spirit. The meeting was called to order by the Hon. H. L. Ellsworth, than whom there is not in the country a more enlightened and decided friend of agricultural improvement. Mr. Robinson was called to the chair, and briefly explained the objects of the meeting, after which the following resolution, submitted by Mr. Ellsworth, was discussed and unanimously adopted:

"Resolved, That the interests of agriculture imperiously re-

"Resolved. That the interests of agriculture imperiously require the co-operation of its friends throughout the Union, to concentrate their efforts by the formation of a National Society, for the promotion of national industry, and to "elevate the standing and character of the cultivators of American soil."

Resolutions were then adopted, that a meeting of the friends of such a society "be held at the city of Washington, on the second Wednesday of the ensuing session of Congress;" and that one gentleman from the District of Columbia, and one from each State and Territory, be a committee to draft a constitution for such society. The following gentlemen were named by the chairman as the committee:

chairman as the committee:

Hon. Henry L. Ellsworth, District of Columbia; Hon. James M. Garnett, Virginia; Hon. Chilton Allen, Kentucky; Hon. Oliver H. Smith, Indiana; Hon. Thomas S. Hind, Illinois; Hon. Lewis F. Linn, Migsouri; Hon. Francis H. Gordon, Tennessee; M. W. Phillips, Isaq. Mississippi: Hon. Dixon H. Lewis, Alabama; Hon. Alex. Mouton, Louisiana; Hon. Win. S. Fulton, Ashasas; Hon. Augustus C. Dodge, Iowa; Gov. James D. Doty, Wiskonsan; Hon. William Woodbridge, Michigan; William Noff, Esq. Ohio; Wm. P. Kinzer, Esq. Pennsylvania; Edmund D. Morris, Esq. New-Jersey; Dr. James W. Thompson, Delaware; Hon. John S. Skinner, Maryland; Hon. Edmund Deberry, North Carolina; Hon. Francis W. Pickens, South Carolina; Hon. Wrn. C. Dawson, Georgia; Gov. Call, Florida; Caleb N. Bement, Esq., New-York: Solomon W. Jewett, Esq. Vermout; Hon. Levi Woodbury, New Hampshire; Hon George Evans, Maine; B. V. French. Esq. Massachusetts; William C. Chapin, Esq. Rhode Island; Hon. Thomas B. Oebora, Connecticut We here gladly insert the remarks of Mr. Robinson.

Esq. Rhode Island; Hon. Thomas B. Osborn, Connecticut
We here gladly insert the remarks of Mr. Robinson, accompanying and explaining the report of the proceedings, in preference to any thing we could add ourselves in enforcing the propriety and necessity of such an organization. It is indeed probable that before this sheet goes to the press, Mr. Robinson will have been among us; and we cannot doubt his reception among his agricultural friends in the east and north, will be such as to convince him that they will not be behind those of any section of the Union, in a cordial support to his great undertaking:
"By this, my friends, you will see that the ball is now fair-

great undertaking:

"By this, my friends, you will see that the ball is now fairly in motion. I hope I have been fortunate enough in making a selection upon the spur of the moment, of the gentlemen anmed as a committee, to secure the services of such as will not promptly for the good of this great cause. I hope they will interchange views with one another, and at the day appointed for the meeting to organize the Society, I hope they will come together, and have the satisfaction of meeting the largest body of the real friends of agricultural improvement ever collected together.

of minu more than when were a society.

A large meeting at the organization is highly important, to give tone and effect to the measure, and to encourage one another. It is probable also that steps will then be taken to found an institution where a course of scientific and agricultural lectures will be delivered every winter, free to every farmer's son or daughter in the United States.

or daughter in the United States.

Many of my friends have expressed a wish that the first meeting might be held in the present autumn. But it is thought by those with whom I have advised here, that the time of a session of Congress would be the most interesting. In fact, every freeman of this country ought to have the opportunity at least once in his life, of visiting the Capitol of his country at such a time. There is then enough to be seen and learned, sufficient to repay all the trouble and expense of such a visit.

The Patent Office alone is the greatest and best museum of useful curiosities in the Union.

The Hall of Manufactures, 273 feet long, will be filled with ten thousand curious and wonderful things. It is already worthy of great interest, and before next winter will be much more so.

duce great attention, and from which a mass of useful information will be gathered.

I cannot but look upon the first meeting of the friends of a National agricultural Society as an epoch in the history of my country that will long be remembered.

I hope all my correspondents to whom I have promised information upon this subject, will take this address as particularly addressed to them. And I hope that every paper in the United States that is friendly to that interest which is the base o all others, will make known to its readers what is now doing for the promotion and organization of this society. I am confident that every agricultural paper will afford the information to its readers; and I hope in particular, that every editor of such papers will attend the first meeting.

From Washington, I shall continue my tour through the eastern states, and I hope to have a personal interview with many of my agricultural friends.

But above all things, let all remember "now is the time" for them to say that "something ess, something must, something that be done," to advance the interest of agriculture in the United States.

Bu assured that I remain your earnest agricultural friend,

But above all things, let all remember agriculture in the United States.

Bu soured that I remain your earnest agricultural friend,

Washingto . City, Sept. 6, 1841.

The Hessian Fly.

We make the following extract from a letter written by an intelligent and scientific correspondent in tennsylvania. The fact stated is a very important one, and will doubtless lead to important results. Miss Morars deserves the highest praise for the perseverance and success with which she has pursued her investigations into the habits of this most formidable foe of the wheat erop:

erop:

"I have just been shown a letter from M. Morais, in which she says she has watched the progress of the Hessian fly from the time of depositing its ova on the berry, through all its transformations, until it became a perfect insect, and has had this season numerous stalks of wheat growing with the large in them. If this is the truth, (and there are probably many witnesses of the fact,) which we have no reason to doubt, it places her opinious beyond controversy. It also goes a great way to establish mine as to the identity of the C. destructor, with the C. tritici. The only remaining difficulty is, that the egg is not always hatched in the berry, but sometimes in the stalk."

Ag. Association of the State of Louisiana

Ag. Association of the State of Louisiana.

Under this title we are happy to perceive by the Baton Rouge Gezette, an association or society was organized at that place in June, which we cannot doubt will be eminently prosperous and beneficial. Officers were appointed, and by-lows adopted, and such arrangements made as will ensure its activity and efficiency. Louisiana possesses the elements of wealth in its agricultural productions to an eminent degree, as is proved in their present imperfect development, and the vast field for improvement which the society will occupy, will call out the talent and energy of the able and public spirited individuals engaged in the great cause of agricultural reform. The Gazette states that there was present at the organization a large number of the most respectable and intelligent planters, who evinced a deep interest in the subject, and an ardent desire that the undertaking might be successful. James Buhler, President; Joseph Menard, Treasurer; A. Adams, Recording Secretary; and J. Hueston, Cor. Secretary

Oneida County Agricultural Society.

cher, and have the satisfaction of meeting the largest body of the real friends of agricultural improvement ever collected to ther.

I most agricultural Society, whom bounteous nature has provided with the means, will attend the first meeting. I hope every agricultural Society, whom bounteous nature has provided with the means, will attend the first meeting. I hope every agricultural society in the Union will send special delegates that the Society.

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Crops of 1841.

The season is now so far advanced, and so many of the principal crops have been either secured, or are so far advanced that a tolerably correct estimate may be formed of their amount, that the means of giving a better view of the whole than we have yet seen offered, seems possible. To do this, we have collected data from all parts of the United States, and from the most careful comparison we have been able to make, have arrived at the following results.

The wheat crop may be considered the great grain crop of this country, as its effect, independent of its value as an article of food at home, is more extensively felt in the trade and monetary matters of the country, than any other. This crop will not equal that of 1840. In Indiana, Illinois, and Michigan, there is a decided increase; on this point all agree, and the advance is variously estimated from one-fourth to one-third. The blight which so destroyed the crop of 1840 in a large portion of these States, was not felt this year; the growth and the berry have proved good, and as a greater quantity of land was sown than in the previous year, the largest rate of increase may not far exceed the truth. Ohio and Kentucky are supposed to have nearly held their own, but in almost every other direction there has been such a falling off, that the increased crop of the North Western States has been more than neutralized. In Tennessee, in Virginia, in the Carolinas, in Maryland, Delaware and Pennsylvania, and particularly in New-York, the deficiency in the wheat crop is great. It is true, the berry is almost uniformily good, but this will not compensate the loss which the severe winter, the backward spring, the till and the worm, has caused. The difference in the sum total of the wheat crop of 1840 and 1841, we do not consider great, but believe what difference exists, is against 1841. The wheat crop of New-England, is nearly or quite an average one, but the difference either way, cannot be so great as to affect the general result materially. There was not a great amoun

rially affect the result so far as bread crops are concerned.

Barley will not be a medium crop. New-York raises more of this grain than all the rest of the United States, and the crop in the best barley counties will be lighter than in 1840. This arises in part from two causes. One was the unfavorable state of the weather in the spring months for such crops, cold and very wet, and this followed by extreme dryness, which materially injured the young grain. The other cause is to be found in the fact, that farmers in the greatest barley producing districts, have become convinced that a course of spring cropping exclusively, is most injurious, filling the soil with all kinds of foul stuff, and that summer fallows, with winter wheat, must, as a cleaning crop, in connection with hoed ones, he resorted to. The effect of this increasing belief has been, that less barley was sown in 1841 than usual; and although the quality is unusually fine, the quantity will not equal that of former years.

Indian corn is the most important again for beautiful and corn is the most important again for beautiful and although the quality is unusually fine, the quantity will not equal that of

is unusually fine, the quantity will not equal that of former years.

Indian corn is the most important grain for bread, next to wheat, of this country, and there is none, perhaps, of more extensive domestic use and utility. Whatever affects this crop, therefore, may be considered as more immediately affecting prices, and influencing the prosperity of the country, than causes operating on any other crop, wheat excepted. Up to the middle of July the corn crop of the United States never looked finer, and there was nothing particularly unfavorable until August. Corn, a native of a warm climate, and throwing out vigorous roots and to a great depth. is less injured by heat, and bears a drouth better than almost any other cultivated plant; consequently, although some complaints were heard of extreme dryness, and partial failures might have been anticipated, still it was not until about the middle of August that serious apprehensions of extensive failures were justified. Severe drouth operates on corn by preventing the setting of

ears on many of the stalks, by drying the silks prema-turely, and thus preventing the formation of grain on ears already set, and it is evident, that corn has already, throughout large districts of our country, suffered se-verely in both these ways. From Virginia to Canada, the most distressing accounts of the severity of the drouth reach us, and the Western States are by no means exempt. In many places the corn is irrecoverably lost drouth reach us, and the Western States are by no means exempt. In many places the corn is irrecoverably lost, and the farmers, for want of pasture, are cutting it up and feeding it to their animals. Corn, therefore, notwithstanding the beautiful and flattering appearance of the crop at the close of July, must now be considered in a state which renders it certain an average crop cannot be produced, and in all calculations respecting grain and its prices, this fact must be kept steadily in view. Late planted corn has suffered the most, as the roots had not sufficiently penetrated the earth, and the great heat demanded a more plentiful supply of moisture for the plants, than under such circumstances could be afforded.

There is but one of the cultivated roots which requires notice in any discussion relating to the food of man, and that is the ready made bread of so large a part of mankind, the potato. The quantity used as human food in the States is enormous, and as they are plenty or otherwise, so will their influence be felt in the grain market. We think, from all we have been able to learn, that of all the crops that have suffered from the drouth, the potato has felt it the most severely. So disastrous has been the effect on this crop, that perhaps we should not be wrong if we state the falling off from the crop of last year in this State at one-third, and some consider it equal to one-half. But few roots have set, and those must, of necessity, be small, for though in ordinary seasons, these roots grow much during September, yet rains now would be of little avail, the tops and tubers both being so parched and dried.

We have come, then, to these conslusions, that the wheat crop of the United States is not an average one; that rye is about the average yield; that barley is a short crop; that corn must be below the average; and that postatoes approach nearer to what may be called a total failure than has ever been known in the country. The reasons for these opinions we have assigned; those interested will judge of their correctness, and draw their There is but one of the cultivated roots which re

The reasons for these opinions we have assigned; those interested will judge of their correctness, and draw their inferences accordingly. Of want there can be no fear, for extravagant prices no pretence, but a fair remunerating price for his products, an advance on those of the last year, may be confidently anticipated by the

Proper Improvement of Land.

It always gives us great pleasure to record any facts which go to show the great advantage to be derived from properly cultivating land. There is no truth in American agriculture, we think, more certain, than that as a whole we cultivate too much land for either the improvement of our soils, or the prosperity of our pockets. On this point there is a marked difference between the best forward and those of our ways. American agriculture, we think, more certain, than that as whole we cultivate too much land for either the improvement of our soils, or the prosperity of our pockets. On this point there is a marked difference between the best farmers abroad, and those of our own country. Here the money made from the farm, if not wanted at once for the payment of debts, goes to purchase more land—there the annual profits are far the greater part of them immediately applied to the improvement of the soil; and this fact accounts in a great measure for the acknowledged average superiority of their crops over ours. The United States have the finest soils in the world; by good husbandry they can be made the most productive; but this will not be until the farmer ceases to desire the possession of all the land that adjoins him. There has been an article going the rounds of the papers, written by a Connecticut farmer, stating the productions and expenses of two farms of 25, and 100 acres, the first well cultivated, and the last in the ordinary manner; and the result is what any one might anticipate, viz. a decided advantage in the summing up, in favor of the farm of 25 acres. Every well cultivated farmer's garden, is an annual proof that he would derive greater profit from a smaller farm fully improved, than from a large one gone over in the common mode. The immense product that may be drawn from a small quantity of thoroughly tilled land is as yet scarcely known in this country; instances, however, are occasionally given that show what might be done, were more correct opinions and a better practice, on this subject, to prevail. As a case in point we abridge from the Ithaca Journal an account of the varieties of articles cultivated in a garden of that place.

The piece of ground was 100 by 200 feet, but a large part of it, (or 5,000 feet of the 20,000,) is occupied by buildings, yards, &c.; on the remainder is grown, strawberry; many varieties, and in abundance; raspberries, 4 kinds; gooseberries 12 or 14 kinds; currnets, 3 varieties;

oysters, beets, onions, summer squashes, cucumbers, musk and water melons, egg plant, okre, cabbage, broccoli, cauliflower, celery, &c. &c.

This is what we call occupying the whole ground, and in this case there was doubtless much pleasure as well profit derived from this small piece of land. There is no surer way to keep up kind feelings among neighbors than an exchange of the thousand civilities such gardens enable the proprietor to bestow; and of this one may be certain, the children who are accustomed to the enjoyment of fruit and flowers at home, to their cultivation and protection, are never a pest in the gardens of their neighbors; never stealing or plundering the choicest fruits, never destroying or mutilating the most valuable flowers.

In every point of view then, the thorough cultivator is a gainer; in his comforts, in his pleasures, and in his profits. Let those who covet large farms; think of these things; let them examine facts, and decide accordingly. The capabilities of our lands can never be fully understood, or the amount of products we might offer for sale known, until a more perfect system of farming shall be made common.

Annual Meeting of the Royal Ag. Society.

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The meeting of this society, as we stated last month, was held this year at Liverpool, in July, and occupied an entire week. It showed in every respect a vast improvement on any previous one, in the numbers and interest of the members and spectators, the number of animals and implements exhibited, the amount of premiums awarded, and the enthusiasm and good feeling that prevailed. Perhaps few instances can be given better illustrating the efficiency of associated effort, than that of the English Royal Agricultural Society. The number of it members is about 5,000 embracing men of all ranks and professions, but principally composed of the substantial furmers of the Kingdom.

The show of cattle, of all the varieties of English cattle, horses, sheep, hogs, &c. was splendid, and the implements on the ground were almost innumerable, and adapted to all the numerous purposes of agriculture.

In the speeches made at the dinner of the society, reported for the Magazine, we find the following statement by the President of the Society respecting some of the most prominent scientific men in England, who of the most prominent scientific men in England, who are actively engaged in the promotion of agriculture:—Dr. Daubeny, Professor of Agriculture at Oxford; Dr. Buckland of the same University; Prof. Henslow of Cambridge; Prof. Johnson of Durham University; and Prof. Playfair of Edinburgh, "who had translated the work of the first chemist of the age, (Dr. Liebig.) for the use of the English agriculturist."

Among the "prizes for essays for the year 1840," we find the following one, which will appear somewhat singular to the American laborer, who is little accustomed to consult any thing but taste in his selection of food:

tomed to consult any thing but taste in his selection of food:

"I Food for Landress.—Ten sovereigns, or a piece of plate of that value, for the best directions to enable laborers to prepare wholesome, nutritious, and palatable food, in the most economical and easy manner,—to Mrs. Gardiner of Mitchbane."

An able report was made by Prof. Sewell on the recent epidemic which has made such destruction in cattle throughout the country. The report was formed on about 600 hundred communications from different parts of the country. As we can hardly expect to escape the epidemic in this country, the Professor's report, which will appear in the Journal of the Society, will be looked for with some interest by our cattle growers. Like the cholera, the cattle epidemic has been several years in traversing Europe from east to west, and the past season has proved fatal to thousands of cattle in England; and at the present time, is committing fearful ravages among the cattle of Ireland.

As an instance of the number and variety of implements presented for exhibition, we may mention that one firm alone (J. & R. Ransome, of Ipswich.) had on the ground 36 kinds of plows, adapted to the various soils and purposes of agriculture; and of other agricultural implements the number and variety did not fall behind that of plows. Such shows are one of the best schools for the agricultural mechanic, and as such are prized and frequented by the implement maker of England.

Census of Agriculture.

Census of Agriculture.

We have been waiting with some impatience for the complete returns of the late Agricultural Census of the United States, for the purpose of laying them before our readers. Such returns have not yet been made, and partial or incorrect reports can be of little value. We find in many of our exchange papers what purports to be a full table of the returns, with the exception of some four or five states or territories, and we had some thoughts of transferring it to the Cultivator, but on looking it over, so many errors were perceptible, that we have concluded it would be better to wait the final and authentic returns, than to encumber our pages with erroneous staticties. To mention one or two items in the table alluded to. The number of sheep in New York, is stated at 5,381,225, and the pounds of wool produced at 4,012,144. In Ohio the number of sheep is put at 3,396,431, and the pounds of wool grown at 3,076,783. There are other errors, but these are sufficient to show that such returns need correction before they can be depended upon.

[.] The above notices of the crops of 1541, were prepared for the • The above notices of the crops of 1841, were prepared for the September No. of the Cultivator, but crowded out by the press of ingiter relating to the State Agricultural Seciety. An examination of the opinions advanced, and the reasons on which they are founded, in consequence of this delay, has caused no change in the opinions advanced respecting the several contention of the polario crop may be such, owing to the reviving influence of showers the fore part of September,) while on the contrary, all additional intelligence goes to prove their correctness. The comparatively small cyunities of flour that have reached the scahoard since the acceptance of the contrary of the contrary of the comparatively small remarks of the contrary of the comparatively small the contract of the contrary of the comparatively small the cover the wheat will be thrashed and forwarded rapidly. The own comes down showly, but now that the labors of sowing are over, the wheat will be thrashed and forwarded rapidly. The quality of the wheat crop of 1841 has never been exceeded, and that will materially compensate for any trifling deficiency in the quantity.

Correspondence, Inquiries, &c.

Oil from Corn.

In reference to a remark of ours in a former number the Cultivator, (page 135,) Hon. H. S. Ellsworth, Washinton city, says:—

"I have been endeavoring to collect all the information is could on that point, with reference to the West, where corn is ery cheap. I believe it will undoubtedly repay cost and trouble to grind and ferment the maize, take off the oil, and then feed the mash to animais."

Mr. E. asks for further information on this subject, and we will, if possible, procure such an account of the process of saving the oil, from the individual who made that to which we alluded, as shall be satisfactory. In the mean time, if others have experimented on the subject, we should be pleased to hear from them. We think the suggestion of Mr. Ellsworth a reasonable one, and if the oil can be separated without the development of the alcohol, it would be a great point gained for the west. Some valuable hiats on the formation of the oils, during the chemical changes of fermentation, may be found in Liebig's Organic Chemistry.

In answer to Mr. Ellsworth's inquiry, "whether there is, to our knowledge, any mills for making oil from broom corn seed in the country?" we reply, we know of none such, nor have we ever heard that an attempt has been made to produce oil from that seed. That it contains oil cannot be doubted, whether in sufficient quantities to pay the cost of manufacture could easily be ascertained in those districts of New-England where the plant is extensively grown.

Farming in Tennessee. Mr. E. asks for further information on this subject

Farming in Tennessee.

We make the following extracts from a letter received from a gentleman in Maury county, Tenn. enclosing some inquiries, &c.:

some inquiries, &c.:

"I have 350 acres of land, 130 of which are under cultivation—divided into fields of about 30 acres each. Babace in heavy woodland. Well watered; a running stream flowing through the middle of the plantation. Corn and cotton raised on it chiefly for the last 30 years, and no manure or clover. Thirty to fifty bushels of corn to the acre considered a good crop. Land, timestone; soil light and liable to wash; clay subsoil. I put the last year, 60 acres in corn, 30 in clover, 15 in oats, and 12 in wheat. "A neighbor of mine, raised, as an experiment a few years ago, by manuring, 50 bushels of corn from an acre of land." "I have no meadow, use mules for labor, land timbered with poplar, whiteoak, hickory, walnut, &c. No use has been made of manure: stables and barn yard full of it. "Can we not farm it in Tennessees oas to make it a source of proint?

Unquestionably you can: your description of the land.

full of it. "Can we not farm it in Tennessees as to make it a source of profit! B. M."

Unquestionably you can; your description of the land, timber, &c. is proof; and the reason why it has not been more successful, may be traced to the two causes mentioned, the continued culture of cotton, and the neglect of manure. If B. M. will discard the culture of cotton, altogether; procure some good Durhams and Berkshires; use clover liberally with wheat, oats, and other small grains suitable to the region; make and use all the manure possible, not allowing it to accumulate in the yards and stables; plow deep, and introduce a rotation of crops adapted to his circumstances; he will not tait of making money by farming. "B. M." asks whether he shall not clear more lan1. We say no; not until every acre he has cleared is so improved as to give until every acre he has cleared is so improved as to give him 70 or 80 bushels of corn. The great fault with the farmer, is cultivating more land than he can cultivate well. Corn, wheat, clover, cattle, hogs, sheep, all good, an! a farm so manage! and tilled that no labor is good, an! a farm so manage! and tilled that no labor is lost, and ample crops are certain, should be the aim of the owner of the soil. Two truths must be impressed on the mind of every farmer: without manures no fertility; without stock no manures. Secure these two things, and with such a soil as B. M. has, a man can do more than "gain a mere livelihoo!" by tilling the soil.

Ashes and Mendow Lands.

Ashes and Mendow Lands.

Our friend, "W. J. D." of Petersburgh, (Va.) has transmitted us the following queries, on the use of ashes, and the general management of meadow land: "At what season of the year, are the leached ashes or othe cautres applied in meadows, and how, and in what quantitie er acre?"

Where ashes, or other manures, are applied directly to meadows, the spring is found the best time, as the effect of the application is more immediately felt. The quantity is regulated by the amount of ashes or manure available, or the the sterility of the land. We have used from 30 to 90 bushels of ashes per acre, and in all cases with the best effect. We have applied it to plow lands by spreading and plowing in; to meadow lands by spreading it equally as possible in the spring. Wet lands are benefited by draining previous to its use, but is valuable in correcting the acidity of even such. It is not common now, however, on well cultivated farms to apply the ashes or manures directly to the grass crop. It is given to corn and roots, followed by grains and

It is given to corn and roots, followed by grains and grasses, and the meadows as well as tilled lands follow the course of rotation. "Are your meadows ever grazed in the autumn after sow-

be admitted into them in the spring. Our experience would show, that unless pressing necessity exists, it is better to never allow meadows to be grazed, as the second growth preserves the roots from the effects of winter, and in their decay, constitute a valuable top-dressing the coming crop.

"Are your meadows ever coultered to open the soil ?"

"Are your meadows ever coultered to open the soil "
Meadows which it is inconvenient to subject to a course
of rotation, have been found to be greatly benefited, by
a dressing of ashes or manure, followed by a thorough
harrowing. In such cases it is an excellent plan to sow
new grass seeds, which is in fact a renewal of the mea-

"How long do they usually remain before they are cultivated, and what are the indications of a want of cultivation?"

and what are the indications of a want of cultivation?

No definite time can be given for allowing meadows to lie in grass; every thing is depending on circumstances, such as the condition and quality of the soil, the kind of grasses in cultivation, &c. Where a rotation is used, as always should be where practicable, the length of the course will determine the period the meadow lies in grass. The indications of a want of renewal in a meadow, are the appearance of weeds not suitable for hay, the coating of the earth with moss or lichen, the disappearance of the valuable grasses and then the succession by inferior or less nutritive ones, the general lightness of the crop of hay made, or in short, any thing which proves a deterioration of the plants or the soil cultivated, shows that the meadow would be benefited by plowing up, manuring, and new seeding.

"With whom could I open a correspondence with the best ospect of obtaining a few pure Durham heifers?"

Gentleman having such animals to dispose of, may ldress "W. J. D." Petersburgh, (Va.) postage paid.

Prospects of Agriculture in Georgia-New Grass.

From the letter of a correspondent at Sparta, Ga. we make the following extract. It is gratifying to observe the brightening prospects of the farmer throughout our whole country; of the spread of knowledge on agricultural topics; and the consequent spirit of inquiry and improvement manifested. The grass alluded to by our correspondent is probably one of the stoloniferous varieties, which are propagated by the roots or joints, and which have within a few years been extensively used for turfing over and binding down the drifting sands that were encroaching on parts of England and Ireland. All grasses it is believed produce their seeds, but some, and this classin particular, sparsely and rarely. and this class in particular, sparsely and rarely.

and this class in particular, sparsely and rarely.

"We are beginning to see the necessity of raising less cotton, and more grain and stock, and making more manure. We are writhing under the scourge which we have brought upon ourselves, by permitting Kentucky to furnish us with pork, mules, and horses; and what is stranger still, we who have been great enemies to the grasses, and have made it our business to kill all that came in our way, now begin to believe that their cultivation is essential to our prosperity. You may sak what has produced this revolution in opinion and practice? I with pleasure inform you that it is the circulation of the Cultivator and Farmers' Register.

"We, apparently by the merest accident, have, in my opinion, one of the functional processing grasses in the world. It is

has produced this revolution in opinion and practice? I with pleasure inform you that it is the circulation of the Cultivator and Farmers' Register.

"We, apparently by the merest accident, have, in my opinion, one of the finest and best grazing grasses in the world. It is called Bermuda grass, from the fact of its being brought from that Island. A gentleman in the southern part of the state brought it from there as a yard grass; it found its way into the interior of the state for that purpose; all animals are found it, and it is believed to contain as much or more nutriment than any other grass. We are beginning to cultivate it. It grows well on poor land, resembles what is called the wire grass well on the propagate worn out clay, and eventually reclaim it, for when the turf is once formed, nothing is lost to the land by washing. It has to be propagated from the root or sprig, as if has no seed. When once planted it remains for all time, unless shaded or disturbed by the plow or hoe. The grazing or treading of stock has no effect upon it after turf is well formed, the more exposed to the sun the greater its luxiance, and mixed with white clover, which grows well with it, it affords good pasture for ten months in the year. The herbage is at all times very thick and tender. Some have objected to it, because of the difficulty of destroying it; but one of my neighbors has fine cotton growing where two years since this grass was as finely set as lever saw it. It will be the salvation of the worn out lands of Georgia. We have a hourishing Planter's Club in this county, the annual meeting of which and the fur, is held on the 1st Monday in December. Premiums will be awarded on stock and domestic manufactures, and there will be an address by a member. The thing takes well and will do good. Next year we shall award premiums on crops, our organization being too recent to do it this. Crops here are very good. Farmers talk of making from 40 to 75 bushels of Georgia."

Tan Hark—Inquiry.

"" MESSAS. Epirons—Will you, or some of your correspondents inform a young farmer whether ton bark is valuable as a manure—and if it be, what is the best mode of applying it? I have several hundred eart loads of tan bark, much of which has been lying in heaps for twenty years or more. Can it be rendered valuable without lime! If lime is to be used, how should the preparation be made! If valuable, will it be better to apply it on a clayer or sandy soil? and what would be its value as a litter for atables or cow yards, compared with strong or leaves!

Albermarle County, Va.

Tan bark, to be of value as a manure, requires de.

"Are your meadows ever grazed in the autumn after swing?"

They are either mown for the second crop, or are grazed; at least this is the usual practice. Some farmers turn their animals into their meadows as soon as they are moved; but this is a very bad practice, as the roots should have time to recover from the check they receive from the cropping, and this is best done by the undisturbed growth of the aftermath. In no case should meadows be grazed close, and no animal should

need not be great. Ashes would answer as well as lime, or indeed any other alkaline substance. The best way of using the lime would be to make a compost, or place the bark and lime in layers, which when stirred, would effectually incorporate both. Bark, on account of the mechanical effect it has in keeping the soil loose, as well as its effect as a manure, is best on clayey ground, as it renders light sandy soils still more loose in their texture. As a litter for the pig pen, cow yard, ground, as it renders light sandy soils still more loose in their texture. As a litter for the pig pen, cow yard, or stables, it would be valuable; acting us an absorbent of fluids and salts that might otherwise be lost, and having its decomposition hastened, and its acid properties corrected at the same time. We have noticed a case reported in one of the ensurer states in which tan bark was used in this way:—There was a strong clay subsoil, and the soil itself tenacious. Bark was spread on this to the depth of three or four inches, and then turned in with a plow, cutting to the depth of twelve or fourteen inches. Then another similar dressing of bark was laid on, and turned under in the same manner. The crops have been excellent since, and the texture of the soil much improved. It is evident, however, that the immediate value of bark, as a manure, must depend on its state of decomposition.

Chess.

Chess.

Our correspondent, E. Link, Esq. Greenville. (Tenn.) requests our opinion on the following statement of facts, which we take from his letter to us:—

"I have a meadow that twelve months ago was pure timothy, with the except of a few bushels of red clover. Early in July of last year, before it was mown, we had a flood memorable in the annals of this county, that swept over it, leaving much of it covered with mud, resembling the botton of a mill pond. It being in a valley through which a small branch sometimes passed irregularly, fent a ditch on the subsiding of the water, and by fall a greener and more beautiful piece of meadow I have never seen. But what was my surprise this year to find the whole meadow one mass of cheat or chess, as well where the water flowed over for a short time, as where it stood two or three weeks. "Such cases I find not uncommon here. Many meadows that were inundated last year, have produced little else than choss this. A far more than usual quantity is this year in our wheat. Indeed, in some crops that was sowed from the very imperfect seed generally raised here last year, chess seems to have striven not unsuccessfully for the mastery."

REMARKS.—The chess in the meadows was unques-

here last year, chess seems to have striven not unsuccessfully for the mastery."

REMARKS.—The chess in the meadows was unquestionably produced from seeds brought down from the cultivated fields higher up on the stream, and the rich mud in which they were deposited gave them a start when germinated which caused them to quickly overpower the timothy and clover of the field, just as chess sown with grass seeds in wheat will soon overtop and master them. The fact stated that the wheat crop last year was "very imperfect," is a key to the whole. The chess grown with this imperfect or impure wheat crop, furnished not only the seed that covered the meadows of the valley, but that which gained the mastery of the wheat crop of this year.

Mr. L. adds the following queries:

"What is the best method of securing a large crop of pump-ns from frost or rotting until used? Is buckwheat a burd op upon land, and does it make a valuable meal for stock?"

Pumpkins to be preserved require to be kept dry and at a temperature above freezing. We have kept them in layers with straw, under cover, better than any other way we have tried; indeed there is no difficulty in keeping them any desirable time, if you do not let them touch each other; keep them dry and safe from frost. Buckwheat does not reduce or exhaust land faster than any other crop which is permitted to ripen its seeds; perhaps not so much as some. We have never used buckwheat meal for feeding any other stock than hogs; for these it is excellent, and would doubtless prove so for other animals.

Purchase of Farms, Books, &c.

Purchase of Farms, Hooks, &c.

"Massas. Garlord & Tucker—I take the liberty of asking you a few questions, which I hope you will consider as sufficiently connected with your great object to answer. A READER.

"Ist. Where would you advise a young man who has a small capital of say \$3,000, and who intends to be a farmer, to luy it out?"

If we intended to have a large family of boys, and wished to provide a farm for each, we would go to the west, and purchase accordingly; if our expectations on this point were moderate, we would expend the money in the purchase of a small but good farm in the vicinity of a certain market for farm products, cultivate it well, and thoroughly, and when this was done, convert the profits into more land if wished, since there will always be land to be bought by those able to pay for it.

for it.

"2d. In what part of the country can cultivated farms be purchased the cheapest?"

In the interior, doubtless, and in the northern states there will be no great variation when the location, soil, and facilities for market are taken into consideration. We have been favorably impressed with the inland or upper counties of Virginia, so far as climate and soil is concerned, but the northern laborer may meet with some things not quite so pleasant to him in that region.

ed in this country. "Fessenden's Complete Farmer,"
"Buel's Farmers' Companion," "American Husbandry," and the "Practical Farmer," are the best known.
Periodicals have, as yet, been more depended upon for the circulation of agricultural information than costlier works, and these are to be found in abundance.

Egyptian Barley and Skinless Oats.

One of our subscribers at Greenville, C. H.(S. C.) in a late letter, says:—

"I have raised during two seasons, the Egyptian barle (Hordeum celeste.) which I think a very fine grain and we adapted to our latitude, 34" 46", but it requires rich, de light soil and good tillage. Skinless oats, I think begin to generate; the seed was this year very small, but the strastrong and high. Probably the land was too rick."

The Crops in New-Jersey.

We make the following extract from a letter from D. L. Donge, Esq. dated Cedar Brook, Bloomfield, (N. J.) Sept. 2:

Sept. 2:

"Through the whole season up to the present time, we have had a superabundance of rain, except a few weeks in July, so much as to cause delay in getting in the spring crops. We have had a large crop of hay, but more foul weeks interspersed than common. Winter wheat, generally a fair crop and quality. Siberian spring wheat, was promising about the last of June, but afterwards nearly destroyed by blight. Ry promised early a large yield, but did not fill well; perhaps two-thirds of a crop well be realized. Gats that indicated a heavy crop, were struck with rust while in the blossom, and will probably be light in quantity and quality. Corn, buckwheat, potatoes and roots now promise more than an average yield. Some of our meadows, notwithstanding they have been fed, would now yield a tolerable crop of rowen if again mowed. From inquiries, I am led to believe that the abundance of rain with which we have been favored, has not extended far to the west or north of us, and that hay and some other crops, except in this vicinity, will be very light."

Foot Rot in Sheep.

Foot Rot in Sheep.

"J. H. M." of Delaware county, says:

"I placed a flock of about 160 sheep, as fine as the country could produce, upon a farm near by, and vigorous and healthy, and quite fleshy for the season. (April last.) The sheep having come into my possession the full before, I cannot account for their previous treatment. A few weeks since we were surprised to find more than half suffering severely with the Hoof or Foot Rot, and unless some cure be provided, the whole will be ruined. Will you be so good as to insert the best intelligence in your possession, on the causes and remedy of this dreadful malady!"

We regret that the inquiry of J. H. M. did not reach us in season for our last number, as in diseases of that nature, promptness in cure is very necessary. We shall however, reply to his queries and first as to the cause. The excellent treatise on sheep by Mr. Youatt, says:

"This disease (the foot rot) is the consequence of soft and marshy pasture. The mountain or the down sheep—the sheep in whose walk there is no poachy ground, if he is not actually exposed to infection by means of the virus, knows nothing at all about it; it is in the yielding soil of the low country that all the mischief is done. "Sheep that are brought from upland to lowland or but oft meadows or pastures are more particularly subject to it."

Blacklock, in his valuable work on sheep, says:

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"The finest and richest old pastures and lawns are particularly subject to this disease; soft, marshy, and luxuriant meadows are equally so; and it is sometimes found in light, soft or sandy districts. In the first of these it is perhaps most prevalent in a moist season, and in the latter in a dry one; in short, it exists to a greater or less extent in every situation which has a tendency to increase the growth of the hoofs, without wearing them away, and more especially when they are kept soft by moisture.

A honther variety of foot rot is produced by the friction of long grass between the hoofs, but is produced by the friction of long grass between the hoofs, but is produced by the friction of long grass between the hoofs, but is produced by the friction of long grass frets the skin in the cleft of the hoof, the gland in that situation swells, becomes enlarged, suppurates, and in no long time the animal unable to stand on, its feet, is compelled to rest upon its kneez. This kind of disease is more easily remedied than the former, and does not cause so much sudering to the sheep."

As to the cure of Foot Root, the first thing is to re-

ease is more easily remedied than the former, and does not cause so much suffering to the sheep."

As to the cure of Foot Root, the first thing is to remove the sheep to clean dry pastures, and where the above causes of diseases will not act; all the diseased sheep are to be separated from the healthy ones, as it is considered infectious, and unless this precaution is taken, usually spreads with great rapidity. Blacklock says:

"When foot rot has fairly commenced, pare the hoof from the affected part, and trim away any ragged portions, wash the foot with soap and water, and place the animal in a situation where as few irritating things as possible will be in the way of the tender surface, and give a purgative. If not properly attended to, the suppuration soon terminates in mortification. Cleanliness, in every stage and variety of the foot rot is of the first importance. Many corrosive preparations are recommended for the cure of this disease, but I have decided objections to one and all of them. When the foot is clean, endeavor to keep it so by frequent applications of soap and water, and if there is of the foot with the following preparation:—wash the foot once or twice a day with a solution of sulphate of copper, (made by dissoving two or three drams of blue vitriol in an English pint of soft water,) and carefully covered over with a pledget of fine tow, spread with lard or any simple ointment. by which means, conjoined with cleanliness, a cure will usually be accomplished."

Youatt says.

"The first and fundamental thing is to cut away every portion of horn that is in the slightest degree separated from the parts beneath it. A small sharp pointed curve knife, or a small drawing knife will be the best instrument to effect this."

The foot is then to be thoroughly cleaned, unhealthy granulations cut down with scissors or a knife, and then the foot is to be washed in a solution of chloride of lime in the proportion of one pound of the chloride to a gallon of water. This will remove the feetor, and check the tendency to sloughing and mortification. The muriate or butter of antimony may then, by means of a little stick and tow, be applied to every denuded part, lightly where the surface has a healthy appearance and more severely where fungous granulations have been

cut off. So far as these foot cases are concerned, this supersedes all other caustic and other applications. If a considerable portion of the horn of the foot, particularly the sole is removed, the foot may be bound up with tow secured by tape, and the sheep placed in dry straw, or if turned to the field always to one very dry. Close attention, and frequent examinations are required, and if kept clean and dry, a cure will be usually effected. Such, in substance are the directions of Mr. Youat. In the same work will be found numerous instances where the disease proved infectious, and hence with justness the necessity and propriety of keeping the diseased from the sound sheep is inferred.

Green Corn Fodder for Horses.

Green Corn Fodder for Horses.

"What is your opinion of Indian corn in its green state, cut up with the stalk and used as fodder or food for horses? I do you think it nutritious? Some here recommend it highly; others say horses will thrive on it. I think it acts too freely on the bowels. I should like to see some extended remarks by some of your correspondents on the best manner of treating work and traveling horses. Elizabethtown, N. C. W. B."

All plants which abound in juices, if fed to animals without the mixture of other and dryer food, is apt to produce a loosening effect on the bowels. This is the case with beets, carrots, turneps, potatoes, &c. and hence it is found necessary where horses or cattle are fed on these, to give with them a quantity of dry hay. Very green corn would require such an addition, if used extensively for horses, but with this no injury could ensue. There can be no doubt as to the nutritive qualities of corn fodder. But to possess this quality in the greatest extent, the juices should be fully elaborated, as they contain the most saccharine matter, which seems to be essential to the full value of the plant. This time is when the corn is pretty generally glazed, and if cut up at this period, out in a chaff machine and fed at once, or dried and stored for winter fodder and then cut for use, the stalks of corn will be found most nutritious and valuable. Where corn meal is to be fed to animals, the cob should always be ground with the grain, and there are few kinds of food on which animals will thrive faster, than the stalks and leaves made into chaff, and mixed with corn and cob meal.

Will some of our correspondents, qualified by their acquaintance with that noble animal, the horse, reply to the last part of our correspondents's inquiry?

"Book Farming, Farming Books, and Farming in General."

"Book Farming, Farming Books, and Farming in General."

Under this title, a writer who signs himself Timothy Oldschool, has in a late number of the Alabama Republican Pilot, in a happy style of caustic humor, shown up at considerable length the absurdity of those who object to the manifest improvement of agriculture going on, because owing to books or agricultural papers, and hence condemned as book farming. We can make room for this extract only: pers, and hence condemned as make room for this extract only :

pers, and hence condemned as book farming. We can make room for this extract only:

"These Book Farmers brag about their immense crops, their splendid cattle, their daily improvements, and so on. These are all such vain boastings, that we would not be fools enough to believe them if we were witness to them ourselves. But if what they say about improved stocks being so superior to the common ones is true, why not improve them ourselves? What if it does take 50 or 100 years to make them equal to the imported breeds? Shall we be so unpatriotic as to be dependent on foreigners for things we can in time raise ourselves? We should be completely free of all foreign influence. Very true, some may say that by availing ourselves of their labors it will enable us to be independent of them fifty or a hundred years earlier than we otherwise would be: yet still we ought to improve on our own breeds, and be independent of all others."

"The butcher houses of London say that within the last fifty years the average weight of animals brought to that market has increased one-third; and those of Boston assert that within the last twelve years, the average increase of weight in animals slaughtered there, has been from ten to twelve per cent. This, however, is tike all other assertions of the Book farmers; if we admit it, we acknowledge the possibility that book farming is doing some good; the only way, therefore, is to assert that this alleged increase of weight is all a fabrication."

Manufacture of Manures.

Our correspondent "G. W." of Richmond, will per-ceive that his former inquiries have been replied to in the September number of the Cultivator. We now proceed to his present ones. He says:

proceed to his present ones. He says:

"I find that 20 gallons of urine is sufficient to saturate 500 lbs. of plaster; I wish to know whether this quantity of plaster will not take up more salts than will be afforded by the 20 gallons. If so, how much more?
"By adding a larger quantity of urine and stirring the whole together, will the plaster take up the salts, &c. of the fluid. If so, will the residue be water which I may draw off or evaporate? It is a great object with me to give the plaster the strongest possible preparation in order to save transportation.

"What quantity of any one of these agents (gypsum, chloride of Calcium, sulphuric or muriatic acid, and super-phosphate of lime (as quoted from Liebig) will suffice to fix the ammonia of 30 gallons of putrid urine?
"I think I am making successfully the "Alkaline vegetative Powder' of Madame Vebert Duboul, but I wish to ask, does the lime used in the preparation prevent the escape of the ammonia?"

Our limited chapmical knowledge does not sankle us to

name used the preparation prevent the escape of the almonia?"

Our limited chemical knowledge does not enable us to answer the inquiries of our correspondent satisfactorily, and as they are important, we copy them in the hope they will receive attention of some of our practical chemists. The preparation of such manures is of great consequence to the farmer, and the best methods, those which ensure the greatest combination of fertilizing ingredients, should be adopted. There can be little doubt, we think, that 500 lbs. of plaster will combine with and retain for the use of the soil or plants, the salts of more than twenty gallons of urine. This could easily be tested by experiment. If a quantity of the mass once saturated with urine be dried at a mode.

rate temperate, and then again wet with the putrid urine and stirred up fully, permitted no escape of ammonia, (a fact known at once by the penetrating odor of that substance,) it would be certain that the highest point of combination or saturation had not been reached. In making an experiment with larger quantities of urine as suggested in the second query, evaporating the urine would be preferable to drawing it off, as in the latter case some of the uncombined salts would be lost, which would be left in the process of evaporation.

We have no means of accurately determining the points alluded to in G. W.'s last queries. Chaptal, Davy, and Liebig simply assert the fact that the substances named neutralize the ammonia of animal matter, urine, &c. but say nothing as to quantities. The odor emitted is probably the surest test of the neutralization or absorption of the ammonia, as this substance is one which cannot pass freely into the atmosphere without detection. The whole science of the manufacture of manures is yet in its infancy, new and useful discoveries are almost daily making, and while science must direct and lead in such inquiries, much is depending on carefully conducted experiments in testing the utility of such discoveries. In this course, we trust our correspondent will persevere, carefully noting and recording his various operations and their results

Large Calf.

Mr. Samuel W. Bantlerr, of East Windsor, (Ct.) has a thorough bred Durham Short Horn bull calf, that when four months and eighteen days old, weighed 525 pounds, having gained 345 pounds in the last one hundred and nine days, or a fraction over three pounds

Culture of Hemp.

We shall be gratified to receive an answer to the following inquiries, made by "A Subscriber," at Griggsville, Illinois, from some of our readers in Kentucky:

"What kind of a soil is best for hemp—the best time to plant, and how done—how much seed to an acre—when is it it to cut—what process does it have to go through from the time that it is fit to cut, to get it ready for market—and how much does it produce to the acre?"

More Large Pigs.

We make the following extract from a letter from Mr. Samuel Denison, of Floyd, Oneida county, N. Y., who says he has been for twenty years making efforts to im-

says he has been for twenty years making efforts to improve his breed of swine:

"I have a sow crossed with the Leicestershire and our common improved breed of white hogs, three years old last spring, long bodied, short thin haired, fine in bone, and easy to keep; her first litter of ples came the last of April, and were wintered over, and killed the next natumn, and weighed from \$35 to almost 400; her next spring's litter, from a Berkshire boar, came the 4th of March; I fatted and killed six, between Christmas and New Years, a few days short of ten months old; their average weight, dressed, 288 pounds and some ounces; the heaviest 288 pounds. The pigs I am going to give you the weight of, or a part of them, came the 1st March last, seven in number, sired by our improved common bred white boar; one of the number I keep for a boar; the other six I feed, not however, with the expectation of competing with Dr. Martin. You will see by my manner of feeding, that I keep a dairy, and make butter; my pigs I fed with butternilk and sour milk from six weeks old, the time I took them off to wean, until that began to fail, the latter part of July; as the milk began to fail, I added to it corn, soad of the pigs I weighed at six months old—one weighed 24s pounds, the other 321 pounds; the other five not much lighter. The boar is for sale, and I shall have pigs to sell in the spring."

The following is from "J. W." Goshen, Columbiana county, Ohio:

"Henry Hinchman, a near neighbor of mine, has an uncommon fine sow, improved from the common stock of hogs, and has raised several litters of pigs from her and a full blooded Rerkshire boar, for which he has been getting great prices, one of which he sold to Thomas Delzel that was pigged the 23th of 3rd month, 1800; at two months old it weighed 34 pounds; at three months weighed 112 pounds, and at six months weighed near 700. I am not possessed with a thorough knowledge of the manner of feeding, though I believe he was principally fed on corn and the slops of the house, with some b

Berkshire Pigs.

Berkshire Pigs.

Mr. Wm. Anderson, of Ann Arbor, Michigan, thinks Dr. Martin's "Bernice," whose portrait was published in the August No., was indebted to the Berkshire cross for most of her excellence, as she possesses the characteristics of that breed in a high degree. Mr. A. also thinks there is a great difference in the Berkshires, and that those with "long nose and nearly straight face, long neck, a middling good shoulder, long back, light ham," &c. should be avoided, while those only should be selected, which "have short fine heads, dishing faces, short necks, deep thick shoulders, broad backs, heavy hams, extending down to hock joint, and broad when viewed from behind. long round barrels, and wide in the chest." These, he says, "will keep fat on grass, and will make more pork for the amount of food consumed than any other breed in the United States." Mr. A. has now on hand six litters of full blood pigs, from large and choice sows, and from a boar "five feet ten inches long from end of nose to root of tail, girth behind the shoulders five feet three inches, and weighing over 550 pounds, in grass fed order," which he will be glad to dispose of for \$20 per pair.

EARLY POTATORS.—The editor of the New Haven Farm. Gazette received on the 6th of July a mess of new potatoes from Mr. J. Watton. They are called the egg potato, and were brought from England by Mr. W. They are not great bearers, but are early matured. The Gazette says—"the sample brought to us were from seed planted the 20th of March; they are perfectly ripe, and on being cooked, were as mealy as the best Vermont blues we ever saw."

We think there are few points of husbandry in the effect of bad management and want of calculation, so generally apparent among farmers, as in the position, arrangement, and construction of their dwelling houses. Comfort and utility is too often sacrificed to show, and beauty of design and neatness of execution overlooked, where they ought to be most apparent. There can be as much good taste shown in the selection of a position, and in the construction of a farm house, as in that of a palace, and there can be no good reason why it should not here be exercised.

The position of a farm house is of great consequence, and should be ettermined with particular reference to conveniences, salubrity, and appearance. The whole ground should be examined before the choice is made. The facilities of procuring fuel; of securing a plentiful supply of good water; of having an easily accessible means of ingress and egress to and from the premises; of the manner in which the productions of the farm must be moved, such as hay and grain, and the manure returned to the fields; all these things must be well-looked at before the place for the farm building is fixed upon. It would be obviously improper to build on the highest part of the farm, or on some distant corner, because such spot was on the most public road, since a farmer's travel is mostly on his farm, and a judicious selection of a site for his buildings, may, in a few years, save him hundreds, if not thousands, of miles of travel. If he has occasion to leave his farm twice or three times a week, he had much better travel over the distance of half or three-fourths of a mile that number of times to the main thoroughfare, than by building on one side or corner of his farm, be compelled to do it many times diaily. But some will say, if we do not build on the road, how will our friends find us? Let no one give himself uneasiness on this point. The man who has friends will be found by them; and sometimes by being a little out of the way, he will be saved the interruptions caused

it was not quite as severe as at first."

Those, then, who are yet to erect their farm buildings will, in selecting the position, do well to consider their course of cultivation, the crops they will be most likely to grow, their comparative bulk and ease of removal, the distribution of their manures, the requisites of convenient location and health, and the capabilities of the place for the display of correct taste, before the die is cast, since so much of the value of a farm and the pleasure and profit of cultivation is depending on these things

more rational style of building should be adopted. But whatever may be the size of the farm house determined upon, the materials used and the execution should be such as to ensure permanence and durability. It may and will cost more in the first place to build well than ill; to use first rate materials than defective or worthless ones; to have the work done in the best manner, rather than half done; but the costly building will be the cheapest in the end. When finished, it is finished for a life, or perhaps half a dozen, and its repairs will cost but a mere trifle, while the cheap house will absorb from five to ten per cent of its first cost annually in repairs, and finally require rebuilding, while the other is only in its prime.

Stone or brick is the best material for building in this country; as in such houses the great conditions of durability, and an equality of temperature, are best attained. Brick or stone houses, however, require dry and well ventilated cellars, and the plastering of the rooms should not be laid immediately on the walls, otherwise they are apt to acquire humidity, and operate unfavorably on health. When proper precautions in these respects are taken, such dwellings are unobjectionable, and their durability, the ease with which they can be kept at a proper temperature for comfort and health, by heat in the winter and the circulation of air in the summer, render them preferable to others. The additional fuel required in the common wood farm house, over that necessary in one of stone or brick will, in a few years, balance the difference in the expense of materials, independent of the pleasure and comfort derived from the avoidance of sudden transitions from a high to a low temperature, or vice versa, and its general effect on the health.

In the construction and arrangement of our dwellings, particular attention should be paid to the economiza.

a low temperature, or vice versa, and its general effect on the health.

In the construction and arrangement of our dwellings, particular attention should be paid to the economization of fuel. There are few farmers in the United States that do not find their fuel cost more than their bread. This annual expenditure might be lessened one-half or two-thirds by care in building, and the adoption of the improved method of warming houses by heated air, of which illustrations were given in the last volume of the Cultivator. That little extra cost at first, which prevents the necessity of a constant expenditure hereafter, is, to the farmer, the strictest economy; and that method of building which shall secure a desirable temperature at nearly all seasons, certainly should have the preference. Nowhere is the good effects of system, and a well digested plan of operations more conspicuous than in the construction and arrangement of the farm buildings. Order and judgment here exert their full influence, and in a great degree stamp the character and buildings. Order and judgment here exert their full in-fluence, and in a great degree stamp the character and the mind of the man. The most slovenly are not in-sensible to the value of neatness, and the farmer whose buildings are inconvenient, ill constructed, disorderly, dilapidated, and without taste or design, cannot help a feeling of respect for the man whose domicile exhibits an appearance the reverse of all this. Let the farmer then build well, build for durability, build for comfort and utility, and not for ostentation or show, and he will find his reward.

Andubon's North American Birds.

Audubon's North American Birds.

Several years since Mr. Audubon published in a series of the most splendid volumes the world ever saw, a work with the above title, in which all the known birds of this continent were figured and colored with an accuracy alike creditable to the author who drew them in their "native woodlands wild," and the engravers of London who executed them for the public. The cost, however, of this work, in which the figures were all of the size of life, was so great as to put it beyond the reach of any not possessed of princely fortunes; and the constant discoveries of new birds which Mr. Audubon has been since making, added to the wishes of many, have at last induced him to undertake an edition in which the new varieties shall be incorporated, with the descriptions in the former work, the figures diminished from the first edition, but engraved and colored with equal accuracy. The terms are such as to place it within the reach of many to whom the great work was inaccessible, it being to be comprised in 100 numbers, each containing five plates with letter press, at the price of one dollar each number. The first volume containing fourteen numbers, containing about seventy species, has been completed, and furnishes one of the most beautiful volumes we have seen in many a day. We consider the present undertaking of Mr. Audubon as eminently useful also, or we should not feel the pleasure we now do in calling the attention of the public to the work. Ornithology has taken rank as a science; the history of birds forms one of the most interesting as well as delightful chapters in the natural science; they are creatures with which every one has more or less to do, and of which a knowledge is more or less desirable to every one; and the figures in the volume are so spirited and exact, the colors so just and beautiful, that one almost fancies they will flutter on their light wings from the paper, or pour from their tiny throats the elear sweet music te which he has often listened.

Of the excellencies

out perceiving and feeling they are drawn from life. No one can fully appreciate the labor Mr. Addubon has encountered in collecting the specimens he has figured for these volumes, and gaining that intimate knowledge of their habits so necessary to render his labors useful. From the shores of Labrador and Hudson's Bay to the Capes of Florida, the confines of Texas, and the base of the Rocky Mountains, over mountain, and through woodland, glen, and swamp, has Mr. Adubon traveled, and returned laden with his rich and hitherto unknown, ungathered spoils. We are glad to perceive his labors are appreciated, and are about to give him that reward which he has hitherto failed of receiving. In this country alone, his subscription list is about one thousand, and a great addition will be made in England and France. The following extract will show one of the uses to which the labors of the ornithologist have been converted, one to which it is presumed Mr. Audubon never contemplated while engaged in his researches; it is from the lecture on birds before the Manchester Association, by Prof. RYMER JONES:

"Where are all our important and valuable works in natural history produced!" Not in England. Where does the English

ed, one to which it is presumed Mr. Audubon never contemplated while engaged in his researches; it is from the lecture on birds before the Manchester Association, by Prof. Rymen Jones:

"Where are all our important and valuable works in natural history produced? Not in England. Where does the English press give bird to those works in which every tint of the humaning bird, blazing and gorgeous as it is, is represented with the meaning bird, blazing and gorgeous as it is, is represented with the England accuracy. In France we have these works; but the England accuracy. In France we have the works in the England accuracy. In France we have the works; but the england accuracy in the patterns for dresses. The wavers and manufacturerack for them there? The ornithologist? In more and manufacturerack for the patterns for dresses. The wavers and manufacturerack for the patterns for dresses. The wavers and manufacturerack for head purple to the violet." would be extravagant; and that the combination of color in the animal world, like all the other operations of nature, is perfect. Nothing can be added or taken away without diminishing the effect of the whole. They are content, therefore, to take lessons of nature in this particular, and we must all acknowledge the success with which they manage this department of their manufactories."

For ourselves we look on many of the "counterfeit presentments" in the volume, as upon the faces of long remembered friends; friends associated with some of the happiest moments of life. As we look on them we forget that we are forty years older than we were when we first were delighted with these beautiful "blossoms of the air," days when childhood overlooked the obligations of the future, and care had not graven its furrows on the brow. We go back in imagination to the green meadows when we listened to the sweet merry notes of the bobolink as he fluttered over our head or settled on a wild flower, or tuft of rank grass;—when we rambled in the wild wood, and saw the beautiful oriole darti

Mechanics' Third Annual Fair of Western New-York.

for the display of correct taste, before the die is east, since so much of the value of a farm and the pleasure and profit of cultivation is depending on these things.

Another point of very great importance is the plan of the buildings, and the materials of which they are to be constructed. In a house that is well arranged, where the apartments bear a proper proportion and position to each other, where the whole is skilly deconstructed with reference to comfort and case of labor, every housewife knows the advantages that are gained in the saving of work, and in the economy of time. The houses of our farmers are like their farms, usually every much too large. Where a house is so constructed that no room is wasted, a building of very molerated immensions will furnish ample accommodations for a respectable family; much better, indeed, than half our is believed and considered, than half our is honer, male of femiles; is too much disregarded. Great houses, large and high rooms, vast fire places, and abundance of light, seem to be the great requisites. When the cost of rendering a large and a long room comfortable; of furnishing them so as to cause the execution to correspond with the design; and the little possible use the farmer's family can have for so much room in a dwelling, is considered, we think a correct descriptions which accompany the plates, with-

DICTIONARY OF TERMS

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make hay, the artificial grasses, such as timothy, herds grass, clover, orchard grass, &c. which are sown for the purpose of meadow and pastures are preferred, being more productive, and more nutritive than the grasses not so cultivated. Grass for hay should be cut at the time when the nutritive parts are most developed, and this is in most cases when the plants are forming their seeds, but before they are ripened. In curing it, great care should be taken not to have it damaged by rain, nor should it be long exposed to the sun. In the first case the hay is washed and whitened, and in the last, the leaves crumble and fall off, thus materially lessening the quality of the article for fodder. Clover makes a hay which all animals eat greedly, but it requires more strict precaution in curing, and will bear less handling without injury, than any other of the grasses. Clover should be cut before the heads are fully ripened, and while it contains the greatest amount of leaves. If cut in the morning of a good day, spread out during the heat of the day, and before night put up in tall cocks but sleader, that air may circulate through them, clover will cure with little difficulty and makes the best of fodder. For horses and sheep, clover is unequaled. The hay called rowen, or the second crop, is very fine, and good for lambs and young stock, but has not the nourishment which the more matured plant possessess.

HEAT. Into the speculations existing in regard to the nature and cause of heat we shall not in this place enter; its effect on all growth and vegetation is what is of most consequence to the agriculturist. Although some plants can exist with a very small degree of heat, yet some of it seems essential to all fluidity and circulation, and consequently without it there can be no growth. The rapidity of all vegetation is in a great measure depending on the degree of heat combined with moisture to which the plant is subjected, and there are many which cannot exist except in countries and places of high temperature. The e

wents of the nawmorn neeges we have seen, are in the vicinity of Geneva, and of Sodus Bay, both in Western New-York.

HEMP. The greatest bemp growing State in the Union is Kentucky, although some of the other Western States produce it to some extent: and there can be little doubt, that with proper protection and encouragement, and more attention to the several processes of manufacture, an article equal to the best Russian may be furnished for our consumption, and thus a vast saving to the nation be effected. Henp requires a warm, rich, vegetable mold to produce it in perfection, and the best limestone lands of Kentucky. Tennessee, &c. are found to be admirably adapted to it. On any soil it must be considered an exhausting crop, but, perhaps, less so than tobacco, and a few others cultivated in the south of the Union. When hemp is fit to secure, it is either pulled or cut with a sythe, and dried in about the same manner as flax. The rotting process is one of the most important in making good highpy, and probably the one to which the general superiority of Russian hemp is owing. Ponds, or gently running soft water, are the places where hemp is best rotted, though dew rotting is much practiced. Hemp is dressed by hand or

by machinery, and on the perfection of the dressing much of the value and goodness of the article is depend-

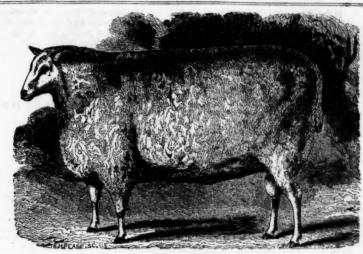
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WORK FOR THE MONTH.

Securing crops constitutes the principal labor of October, and of these corn and roots are the most important. Where it is intended to sow wheat affer corn, and this is sometimes a very good course, the earlier sorts should be used that the ground may be cleared the latter part of September. But in ordinary cases, the harvesting of corn in our latitudes, falls in October. There are few crops the quality of which is more injured by carelessness in securing it than corn; and it is one of such importance to the country that the best methods should always be adopted. We prefer cutting up the corn by the root, as soon as the ears are fully glazed, and then curing it by setting it up in small stacks, either in the field or some more convenient place. In this state of the ear, it sustains, as numerous experiments show, no injury from having the stalk cut at the root; and the stalk itself, filled with the claborated juices and reported yeared, makes one of the most nutritious and valuable kinds of fodder that a farmer can have. If cut up at the proper season, and skillfully set up, the corn will stand for some weeks without injury, and the husks loosening from the ear it becomes thoroughly dried, and ready to be placed in the crib when husked. The common custom of topping corn is not a bad one, where the saving of all the fodder is not an object; and a field so treated, presents a beautiful sight, as the husks fall open, and the golden ears stand thick in the mellow rays of an October sun; but experience proves that the ears of topped corn are not so thoroughly cured, and the cod bried as effectually, as when cut up by the bottom, and are more liable to heat in the crib. The experiments of Mr. Clark, Judge Buel, and others, proves also, that there is a loss in weight where corn is topped, and that of all methods, cutting at the bottom, when the grain is in the proper state, gives the greatest product, and the first kind was ten on the product of the proper state, gives the greatest product, and the first kind was ten o

callow the heated air to pass off.
Turneps, ruta baga, &c. are among the easiest of rots to preserve. They should be left in the ground is long as is consistent with safety from frost; then the rawn and put in cellars of moderate or rather low amperature, or pitted in the field at once. The turnepill sustain a much greater degree of cold than the potto, without injury, but heat has a worse effect upon it, roots to preserve.



A LEICESTER RAM.-[Fig. 79.]

Tux subject of the above portrait, (copied from a steel plate in the Farmer's Magazine,) is a shearling Leicester Ram, bred by and the property of Mr. S. Bennett, of Bickering's Park, Bedfordshire, England, to which a prize of thirty sovereigns (about \$145-00,) was awarded at the Cambridge meeting of the Royal Agricultural Society of England, in July, 1840.

and in saving this root, heating is what is mainly guarded against. A hole made in the top of the pits with an iron bar, to be covered with a flat stone when the cold grows severe, will permit the heated air to pass off and prevent danger from this source. In the experience of a number of years we have scarcely had a tur-nep lost by frost or by heating, either when pitted or in the cellar, a proof to us of the ease with which this root can be secured.

nep lost by frost or by heating, either when pitted or in the cellar, a proof to us of the ease with which this root can be secured.

Carrots and beets, like the potato, require more care than the turnep, to prevent the effect of frost upon them. The best way we have yet tried upon them, is to pack them in bins or-barrels, and strew fine earth among and over them, to exclude the air, and preserve a uniform temperature.

If your pigs have have had the run of your orchards in September, they will be found doing well in October, and afford proof that apples are worth something to the farmer when not made into cider. The cheapest mode we have yet tried in fattening hogs is with apples and potatoes steamed, always finishing with good sound food, such as corn, peas, or barley. All food given to hogs should be cooked; fruit and roots by steaming, grain or meal by boiling. If the latter is not convenient the grain or meal should always be well soaked or mixed with water, and if long enough to ferment and sour a little, it will be none the worse for it. Farmers who feed dry corn and peas to their pigs pursue a very wasteful course; as they may easily ascertain by experiment.

with water, and if lone enough to ferment and soural places of the cold of winter, little, it will be mone the worse for it. Formers who feed dry corn and peas to their pits pursues a very water. We course; as they may easily ascertain by experiment, which was the cold of winter, the cold ground in the cold and pease their pits pursues in housing the cold of winter, the cold of winter, and the cold of winter, which to the cold of winter, which to the cold of winter, which the cold of winter, which to the cold of winter, which to we will to them is extend the cold of winter, which to the cold of winter, which to we will to them is extend the cold of winter, which the cold of winter is decided the and the cold of winter, which the cold of winter is consistent with the cold of winter, which the cold of winter is consistent with the cold of winter, the window is consistent with the cold of winter, which we we desire the cold of winter which the winter of he cold will be formed to the cold of winter, which we were dead to consistent with the cold of winter, which we were common it consistent with the cold of winter. Which we were dead to the cold of

tually than any thing else. If intended for corn, it has by some of the most successful corn growers in the United States, been deemed best to put on a dressing of manure previous to plowing, and then another dressing before the corn is planted in the spring. The first is placed deeper, and is rotted more fully, than if all was put on at the spring preparation. Teams are usually in better condition for labor in October than in April, and what is done in the fall is so much taken from the spring's work. By having that part of the plowing done in the fall, which may be as well done then as ever, the work of the spring is lightened, the labor much expedited, and the crops put in in better season, and in better condition than without it. This was particularly the case last spring, when the season was unusually backward. The seed put in on fall plowed land was not only earlier, but being better rooted, stood the drouth which followed the rains of spring much better, and the crops on such lands have maintained their superiority through the season. Fall plowing is also useful, where the soil is infested with the larva of insects, such as the cut and wire worms, and the white grub. By turning up the soil deep, as late in the season as is practicable, thousands of these in their half torpid state in which they cannot move or again penetrate the earth, are exposed to the cold of winter, which to them is certain destruction.

Many farmers may find October a month for putting in drains in such parts of their farms as require them. Open drains are objectionable from the waste of land they occasion, and the frequent clearing out they require from filling in of surface earth. Covered drains are therefore to be preferred, as they are equally effectual in enrying off surplus water, occasion no loss of surface in cultivation, and require no labor in removal or clearing out, when properly planned and constructed. Open drains are only admissible, where considerable streams, or large quantities of surplus water are to pass off. All

N. Y. State Agricultural Society.

THE Executive Committee of the N. Y. State Agri-cultural Society acknowledge the receipt of the follow-ing subscriptions, since their last report:

Live Menners—[By payment of \$90.]

Beekman, John P., Kinderbook, McIntyre, J. McDonald, Albany,
Corning, Erastus, Albany,
Rotch, Francis, Butternuts.

by Strong, Oliver R., Onondaga

Hill,

Teall, Oliver, Syracuse,

Tracy, James G., do

Tracy, John N., do

Tracy, John N., do

White, Ham., Syracuse,

White, Ham., Syracuse,

White, Horace, do

Tracy, James G., do

Tracy Farmer, M., do Granger, Anos P., do Hawley, Gideon, Albany, ... Hibbard, Russell, Syraeuse, Hicks, J. P., Liverpool, ... Jewett, F. G., Skaneateles, Kidd, James, Albany, ... Knower, Henry, do ...

Knower, Heury, do

Annual Members

Ames, Silas, Syracuse
Ashley, Theodore, do
Allen, Thomas, do
Adams, E. C., Liverpool.
Baker, J. M., Canton.
Bristol, C. E., Syracuse.
Bromley, P. M., do
Bradley, J. J., do
Bennett, D. S., do
Bronson, H., do
Braker, William, do
Bradley, Jr., Wm. do
Bradley, Jr., Wm. do
Bradley, Jr., Wm. do
Bradety, Wm. F., Butternuts.
Briston, Cyrus S., Newark.
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Bronson, H., do
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Briston, do

Cheney, Tallmadze, Saiina.
Cotton, George H. Onondaga
Hollow.
Coates, Chauncy, Oswego,
Davis, Harvey, Schenectady.
Davis, C., Syracuse.
Dickinson, P., & Co., do
Earll, Charles, do
Earll, David S., Liverpool.
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Gifford, H., Syracuse.
Gere, Robert, do
Gould, E. O., Camillus.
Grinnell, George F., De Witt.
Hopper, John, Onondaga Hollow.
Low. Hopper, John, Onondaga Hollow,
Howell, John, Salina
Hotton, Benj. do
Hopping, E. D., do
Himman, W., Syracuse,
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Howlett, Parley, do
Hicks, Chirles P., do
Huff, Jimes, dd
Huff, Jimes, Gilbertsville,
Hudson, Smuel E., Newark,
Hudson, H., Syracuse,
Hecox, Samuel, Lyons,
Ives, Jesse, Bridgewater.

10) Wallace, E. F., do 3
10) Williams, M., do 4
10) Williams, M., do 4
13) Jacqueth, J., Liverpool.
Kinney, Joel, Syracuse.
Kimber, F., do
Krambhar, Alex., Cazenovia.
Kenyon, Daniel, Newark.
Kirby, Edmund, Watertown.
Ledyard, John. D., Cazenovia.
Longstreet, C. P., Syracuse.
Mananos, J., do
Mecch, A. B., do
Minard, Isane P., do
Mecch, A. B., do
McGuire, Peter, do
Maynard, Samuel, Brooklyn.
Nolton, R. W., Svracuse.
Owen, Joel,
Orcuti, D. A., do
se. Outwater, Peter, do
Osborne, Noah H., do
Oldor, Henry, do
Parker, Lyred H. do Orcus.
Ontwater,
Ontwater,
Onsborne, Noah
Olds, Henry,
Parker, Jared H.,
Parker, Jared H.,
Pratt, Daniel,
Pope, Charles,
Peters, T. C., Darien,
Rowley, John, De Witt.
Rogers, Hamitton, Newark.
Soverbill, Hiram,
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Soverbill, Hiram,
do
Sirlind, John, Marcellus.
Seriber, E. P., Syracuse.
Streing, Micah, Watertown.
Seriber, E. P., Syracuse
Strewart, W. D.,
do
Smith, A. L.,
Somith, S. F.,
do
Smith, A. L.,
Somith, S. F.,
do
Witt.
Spencer, Joseph C.,
do
Stafford, Amos,
Stafford, G.,
do
Sheldon, Hervey,
do
Tefft,
do
Van Patten, A. N.,
do
Wicks, E. B.,
do
Winton, William,
do
Wellington, F.,
do
Valker, L.,
do
James,
do
Lare,
Gaz Spence, Spence, Spence, Spence, Spence, Spence, Stafford, Amos, do Stafford, D. G., do Stafford, D. G., do Stafford, D. G., do Wicks, E. B., do Wicks, E. B., do Winton, William, do Wright, Josiah, do Weilington, F., do Walker, L., do Walker, James, do Ward, William, Geddes. Walton, W. B., Schenectady. Yates, H. C., do.

Mr. Allen's Importations.

Mr. Allen's Importations.

We had the pleasure some days since of seeing the Arst importation of improved stock, by the London acket Mediator, which Mr. A. B. Allen, now in England, is sending to this country. It consisted of a two year old boar, Windsor Castle, a thorough bred Berkshire, with all the characteristics of the same breed in this country as to marks and color, but of much greater size, standing about three feet high, measuring about six feet on a straight line along his side, and weighing some 600 to 700 pounds, and every way fine and well proportionel; Earl Craven, a two year old ditto, not so large but rather more compact and finer, and a considerable number of pigs of the same breed of very large size and promise. These however, from their long and close confinement, did not show to so much advantage as the older ones; but as they have all been selected by Mr. A. from the choicest stock of the country, affording every promise through their parentage and their own appearance, they will, no doubt, under judicious management, come up fully to the models exhibited in the larger animals.

Another shipment of the Berkshires we notice were the larger animals.
Another shipme

Another shipment of the Berkshires we notice was made in the packet ship Wellington, and further impor-tations of cattle, sheep and swine are to follow.

Agricultural Pairs in October.

By the County Societies of this State:

Cayuga Society, at Auburn, Oct. 13, 14.

Columbia—at Hudson, Oct. 12.

Cortland—at — , Oct. 6.

Delaware—at — , Oct. 6.

Genesee—at Alexander, Oct. 13, 14.

Livingston—at Geneseo, Oct. 22.

Monroe—at Rochester, Oct. 15, 16.

New-York—American Institute, Oct. 11 to 18.

Oneida—at Hampton, Oct. 20.

Ontario—at Canandaigua, Oct. 12.

Oswego—at Coverstown, Oct. 6.

Otsego—at Cooperstown, Oct. 6.

Seneca—at Ovid, Oct. 21, 22.

St. Lawrence—at Canton, Oct. 7.

Tompkins—at Ithaca, Oct. 6.

Washington—at Salem, Oct. 12.

Wayne—at Newark, Oct. 16.

In addition to the above, Fairs are to be held in several other counties, but of the time and place, we are not informed. In several counties where societies have been, or are about being organized, no fairs will be held this season, owing to the late period at which the societies were formed. This we believe is the case in Albany, Rensselaer, Saratoga, Greene, &c. By the County Societies of this State:

Agricultural Papers.

Agricultural Papors.

WE have received the post month, two handsomely executed and ably conducted Agricultural Journals from the British Provinces—The Colonial Farmer, True SMITH, editor, published monthly at Halifax, N. S., by R. Nugent, at 5s. currency per year; and The Canadian Farmer, published monthly at Kingston, at \$1 per annum. A. B. E. F. GARFIELD, editor- They both richly merit a liberal patronage, which, if the farmers of those Provinces understand their true interests, will be awarded to them.

ed to them.

The Western Farmer and Gardener, published at Cincinnati, by C. Foster, and edited by Mr. AFFLECK, has just completed its second volume, and a new one commences with the present month, affording a favorable opportunity for those who wish to obtain the work to send in their names.

It is published monthly, 32 pages octave, at \$1 a year.

opportunity for those who wish to obtain the work to send in their names. It is published monthly, 32 pages octavo, at \$1 a year.

"The Plough Boy," is the title of a semi-monthly, recently commenced at Edgefield C. H., S. C. by Wm. F. Durisoe, at \$1.50 a year—16 p. octavo.

The Missouri Farmer hails from St. Louis—16 pages octavo, monthly, at \$1.00 a year—P. Gould, editor.

A new volume (the 6th,) of The Farmer's Cabinet, Philadelphia, was commenced in August. The character of this paper is well sustained by Mr. Pedder, the present editor. Terms, \$1.00 a year.

Mr. Buckminster having retired from the Boston Cultivator, Mr. H. C. Merriam has assumed the editorship of that paper; and we should infer from his opening address, that its character as a useful and interesting agricultural and miscellaneous sheet, will be well sustained. Mr. B. we perceive, has issued proposals for a new paper; to be called the Massachusetts Plowman, the first number of which is to appear about the first of this month. man, the first numb

The Yankee Farmer, Boston, is now edited by C. P. Boston, its former publisher; and Mr. Cole, its late editor, has commenced The Farmer's Journal, a monthly, at, we believe, 50 cents a year,—making the fifth agricultural paper at Boston.

Review of the Market.

Review of the Market.

Beliging it would be acceptable to most of the readers of the Cultivator, we have made arrangements with a gentleman in New-York, every way competent to the undertaking and familiar with the subject, to furnish us monthly, a report on the state of the markets in that city at the latest possible date previous to our going to press. In the examination of such a report of facts, the intelligent farmer and others will find much to assist them in forming a more correct view of the probable range of prices, and the propriety of sales than they could obtain without it. The influence which foreign markets exercise over our own, render such reviews now much more necessary and acceptable than formerly.

Taking Honey without Killing the Boes.

Vantous methods have been suggested and adopted, by which the lives of the bees might be spared, while their unnecessary or surplus honey might be appropriated to the comfort of those who had the care of them. It has always seemed but little short of murder to destroy such multitudes of these little laborers if any method of sparing them could be introduced; and various improved hives, which have been introduced to effect this object, have at different times been brought before the public. All these have been more or less useful, some by giving more room for labor, and some by placing their stores more at the command of the apiarian; still all seem liable to some objections, and the multiplying the methods, or bringing a notice of new ones before the public, may be of service.

The treatment of bees seems to be based on a few facts, or which are usually considered as such, viz: that a large number of bees, or two swarms in the same hive, will consume but a little more honey, if any, than a small number, or each of the two swarms in separate hives; and that as bees are a short lived insect,

performing their labors and the various functions of their lives, mostly, if not altogether, in a single year, the necessity of saving those bees in the fall, that are to perform the labor of the coming year, becomes more strikingly apparent. The fact, that bees may be supe-fied so as to be rendered harmless, and yet not permanently injured, has long been known; but this know-ledge has not been turned to practical use except in very few instances until very lately. The following, which we copy in substance from a foreign periodical, exhibits a method of turning this power to use, both easy and profitable.

few instances until very lately. The following, which we copy in substance from a foreign periodical, exhibits a method of turning this power to use, both easy and profitable.

The writer says:—In autumn I gather three or four of the large mushrooms or puff-balls growing in meadow lands, before they are fully ripe, compress them a little, and dry them thoroughly in an oven after bread has been taken out, and keep them dry for use. A tin box two inches square, with a pointed top, pierced full of holes, with small holes in the sides, made without solder, is to be provided to contain the puff-ball while burning. It must be supported on a stick some six or eight inches in length when used. As the object is to unite the swarm, from which the honey is to be taken, with another to live over the winter, a hive of the same size as the one to be operated upon is placed in a tub with the open end upwards, with a hole made in the lower part, in which the stick that supports the tin box is set. In this box is now put a piece of fungus or the dried ball of the size of a hen's egg, to which fire has been communicated, and it is placed in the lower hive. The hive with the bees is now removed from its stand, and placed on the other, a wet cloth being closely secured around the line of meeting to prevent the escape of the smoke. The narcotic fumes are soon felt by the bees, which fall rapidly into the lower hive, the upper one being frequently tapped with a stick or the fingera, to jar down such bees as may not fall of themselves, or to disengage them from the combs. The dropping of the bees will be distinctly heard, and when it ceases the hive may be taken off. The torpid bees are now poured upon a table, and the. Queen separated and placed under a glass. The bees are then sprinkled with a thick syrup made of a little ale and sugar boiled a minute or two, and applied freely with a feather. They are then returned to the empty hive, and on this is now placed the hive with which it is intended the swarm shall unite, and the cloth

An Excellent Regulation—Preservation of Birds.

An Excellent Regulation—Proservation of Birds.

A FRIEND has forwarded us a law passed at the last session of the Pennsylvania Legislature, providing for the safety of certain kinds of birds during the early part of the season, or while they are most serviceable to the farmer, to take effect in the county of Chester, and parts of the counties of York, Lehigh, Delaware and Montgomery. The act declares it to be unlawful for "any person to shoot, kill or destroy, during the months of April, May, June, July, and the first ten days of August inclusive, in each and every year, any robin, flicker, bluebird, woodpecker, thrush or other insectivorous bird, other than blackbirds, under a penalty of two dollars for each and every offence." The act does not prevent any person from killing such birds as are found attacking newly planted grain crops: and it is to be hoped it will prevent that indiscriminate and wicked slaughter of these useful little birds, that are our most effectual aids in destroying the multitude of insects that destroy the fruit and the crops of the farmer.

The Murrain.

The Murrain.

This disease has in many places the present season proved fatal to cattle, and although we have much more faith in prevention than in the cure of this disease, still the following from Mr. Forsyth in Canada, is given in the hope that it may prove as effectual as it is said to be:

"Give 1-2 oz. pearlash dissolved in two quarts of iron water, (from blacksmith's trough.) If not better in 5 hours, give 1-2 an oz more in a quart of water. The iron water should be warm. Give no drink but warm water for two days. Give warm mash to eat. This treatment in nine cases out of ter will be successful."

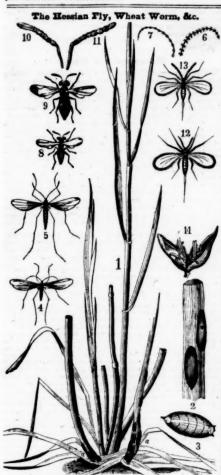
Spring Wheat—Great Yield.—Mr. Erastus Skinner, of the town of Prattsburg, Steuben Co., N. V., harvested last season fifty-six bushels of Italian appring wheat from an acre. Mr. Skinner prepares his land for yielding 56 bushels of wheat to the acre, by growing ruta baga, at a next profit of \$70.42 an acre. Such are the practical effects of skill and science directing the toil of human hands.—Buff. Com. Adv.

ORIGINAL COMMUNICATIONS.

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"In Agriculture, Expensence is of great value-Theories of little, excepting as they are directly deducible from actual experiments and well attested facts."



EXPLANATION OF Fig. 80.

INFLANATION OF Fig. 80.

1—Wheat stalk with the larva of the Hessian fly deposited—three of the stalks punctured by the Ichneumon, Ceraphron—natural size, 3-20ths of an inch.—a. a. larva and pupa.

2—Section of the wheat stalk, with the larva magnified.

3—Larva advanced to the pupa state, magnified.

4, 5—Male and female Hessian fly, Cecidomyia destructor, magnified.—6 antenna of the female.—7 antenna of the male.

8, 9—Male and female Ichneumon, Ceraphron destructor, magnified.—10 antenna of the male.—11 antenna of the female.

12, 13—Male and female wheat worm fly, Cecidomyia tritica of Kirby, magnified.

14—Section of a grain of wheat with the young wheat worm within it magnified.

EDITORS CULTIVATOR—There is, perhaps, no period of our agricultural history, wherein the ravages of the Hessian fly have attracted more attention than during this season; the memorial to Congress of the individual who professes to have discovered a remedy, and who is asking for a compensation; the reference of this memorial to the Committee on Agriculture at the very moment that efforts are making to establish a National Society; the observations of Margarkita Morris, attracting the attention of so many eminent men and so many acute observers, joined to the extent of the insect's depredations, and to the advancement of agricultural science in all its departments, except entomology, have combined to attract this attention. Among other contested questions, arising out of the discussion, is the identity of this destructive race, Cecidomyia destructor of Kirby, with the wheat worm of New-England, the Cecidomyia tritica of the same author. The circumstance of the great Linnæus making but one species, under the name of Tipula tritica, is itself a strong indication of their identity. Whether future investigations will enable us to restore the system and the nomenclature of this great Sweedish naturalist, time alone is to determine. If rankly acknowledge that I dislike innovations upon such perfect systems, and think, as the Hibernian would say, that the two insects are identical; but while we should frown upon all attempts by men of science to introduce new names for the purpose of extending their own pretended discoveries, we should be equally disposed to encourage accurate investigation into the true character, habits, transformations and operations of insects:

"The sacred sons of vengeance, on whose course Corrosive famine waits, and kills the year."

"The sacred sons of vengeance, on whose course Corrosive famine waits, and kills the year."

Having recently returned from a visit through a wheat country where its ravages have been severely felt, and found that farmers have many more words than ideas respecting it; that there is much confusion in their views, some calling it "the insect," without ever thinking or inquiring whether there are two; others describing what is unquestionably the Hessian fly under the name of the "wheat worm," without knowing whether er the worm became an insect, and some vice versa; while some are ignorant enough, and they are no very limited number, to confound it with a coleopterous insect of the beetle tribe, known at the south as the weevil, which infests the gracery and the harm.—I have wished myself entomologist enough to describe this depredator or depredators; and let future inquirers tell whether the descriptions can be so reconciled as to make them either cogeneric or identical, but as I am not, and like all other men are prejudiced in favor of my own opinions, the attempt

THE CULTIVATOR.

11 the same once being a suppression time to the truth. It is necessary to yet many that the Brisman Br, Coccassons during a character of the process of the control of t

Buckthorn Hedges.

Buckthorn Hedges.

Where Gaveord, Eq.—Dear Sir—In replying to your favor of the 12th of August, it will give me pleasure to furnish you any information in my gover respecting the Buckthorn for hedges. It is nearly forty years since I commenced experiments with a variety of plants for making hedges. First, with the English Hawthorn, and soon found it was not adapted to our warm dry summers; it would blight as early as August and lose its foliage, and was frequently destroyed by the borer. Among other plants, I tried the three thorned acacia recommended by Judge Buel, but the experiment was not satisfactory; it as too open below, and liable to be killed down by the winer as much as it grew the previous season. In the garden of the venerable Dr. Holyoke, of this cits, which adojoined that of my brothers, there was a largetree of the buckthorn or Rhammus catharticus. In digging the latter garden, about the year 1805, there were found several young plants which had grown from seed shed by this tree. They were given to me and set out in a nursery; finding they grew rapidly, I was induced to try them for a hedge, and I have been highly pleased with the result. They were set in a single row in my garden, and very soon became a cautiful hedge, and it remains so to the present time. Not a single plant has failed, and has never been attacked by any insect; it vegetates carly in the spring, and retains its verdure very late in the full. It can be trained into almost any form, and makes a beautiful arch over a gate way or passage. I was so much pleased with this experiment, that I have since set out several other hedges, all of which are now making a heautiful appearance. With these properties, it has become quite a favorite plant for hedges in this section of the country, and I have been induced to raise it for distribution. I have now at least one hundred and fifty rods of this hedge, which has been greatly admired by every person who has seen the same. I am so fully convinced that the Euglish hawthorn is not suitable for

Milking Properties of the Improved D. Cows.

Milking Properties of the Improved D. Gows.

Messes. Gaylord & Tucker—An esteemed friend, Mr. Bartlett of Connecticut, has called upon my brother and myself, through the July number of your valuable periodical, to give some account of our herd of Short Horned cattle, and I must plead other and more pressing avocations as the only reason why he has not met with an earlier response. The object of Mr. Bartlett appears to be, to show that so far as our animals are concerned, they do not sustain Mr. Colman's position, that Duraims are inferior to the native race for milking and dairy properties. Lewis F. Alles, Esq. to whom Mr. B. re'ers, has, in the June number of your paper, met the position taken by Mr. Colman with great ability and success. Essides high grade, and some native, we have twenty-five thorough-bred animals. By the term thorough-bred, I mean animals which are themselves, or whose dams and sires are recorded in Coate's Herd Book, which furnishes for them full and undoubted pedigrees. Among these minures, we have one cow and three femile descendants, the produce of two animals which were imported by Enoch Sitsby, Esq. of this state, under the name of "Boston," and were bred by Robert Curry; one cow with two femile descendants, the produce of Mr. animals which were imported by Enoch Sitsby, Esq. of this state, under the name of "Boston," and were bred by Robert Curry; one cow with two femile descendants, the produce of Washington and Panzy, imported by the late Putrons, and bred by Mr. Champion; two females, the produce of Mashella, imported by the late Stephen Williams, and seven other female descendants of the last named animal.

One of these cows is sitteen, and two others fourteen years old. All of them are in good health and exhibit the appearance, so lat as condition is concerned, of being young animals, and two otters fourteen years old. All of them are in good beauth and exhibit the appearance, so data as condition is concerned, of being young animals, and two others have occasionally seen and th

official duties, Mr. Colman, our late highly respectable Agricultural Commissioner, did not discover among the great mass of our common stock, some superior milkers and valuable duiry animais.

In the 4th vol. New-England Farmer, I find the following opinion given of the Short Horas, by Governor Lincoin, in a letter to Mr. Powell:

"I have now (of Denton's progeny) seven heifers in milk, four of them three years old, and three two years old; and for richness in quality and abundance in quantity, they are not excelled by the best cows of any age of the native stock. A heifer three years old, with her second calf, has not been dry since she dropt her first calf, having given 4 quarts on the morning of her second calving. For the dairy and the stall, I speak with

animals.

In the 4th vol. New-England Farmer, I find the following opinion given of the Short Horns, by Governor Lincoln, in a letter to Mr. Powell:

"I have now (of Denton's progeny) seven heifers in milk, four of them three years old, and three two years old, and for richness in quality and abundance in quantity, they are not excelled by the best cows of any age of the native stock. A heifer three years old, with her second calf, has not been dry since she dropt her first calf, having given 4 quarts on the morning of her second caiving. For the dairy and the stall, I speak with the utmost confidence of their pre-eminence."

I have recently had an interview with the intelligent and persevering owner of the "Cream Pot" breed of cattle, and Col. Jacques assured me that he attributed the rich dairy properties of his herd more decisively to the Short Horned buil Cacebs, than to the native Haskins cow, from which his whole herd, as I understand, descended, and it would seem from Mr. Haskin's own account of the produce of this cow, as published in the 5th vol. New-England Farmer, that he must be correct in this opinion; she is there represented as having made in two days 2; ilbs, butter, which is 9 ibs. 10 oz. per week, being by no means a remarkable product, when compared with that of many of the Short Horns.

In Mr. Allen's valuable communication, he has given the product of six Short Horn cows, viz. in both milk and butter from three animals, in butter alone from one, and in milk alone from two animals.

The butter from the four animals varies from 114 to 22 lbs.

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per week, making the average of the four cows 15 lbs. 6 oz. per

The butter from the four animals varies from 13, 2002. Per per week, making the average of the four cows 15 lbs. 6 oz. per week.

The milk from the five cows is from 28 to 35 quarts per day, averaging for each animal more than 32 quarts per day.

Besides the product of these six cows, 1 find the produce of butter from six more Durham cows, as follows, viz:

Mr. Hasket's cow, 19 lbs. butter in one week. N. E. Farmer.

Mr. Calvert's cow 373 lbs. do. in 32 weeks.

Mr. Canby's cow 353 lbs. do. in one year.

Thomas Ash's cow, 341 lbs. do. in one week. -0.1 17, p. 403.

Mr. Woolwich's cow, 144 lbs. do. in one week. -0.1 17, p. 403.

Mr. Woolwich's cow, 144 lbs. do. in one week. -0.2 lit. p. 403.

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Mr. Woolwich's cow, 142 lbs. do. in one week. -0.2 lit. p. 403.

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Mr. Calvert's product of the wool on the week. -0.2 lbs. p. 10. lbs.

Borses—Origin of the Morgan Breed.

Messas, Garlord & Tucker—I lately received great satisfaction from hearing what appears to be a correct account of the origin of the Morgan Horses of Vermont; a breed known and esteemed for activity and hardiness throughout all the northern states; not remarkable for size, and scarcely known to sportsmen for speed. This race is perhaps as highly celebrated as any for general usefulness, and for such a degree of fleetness as an initiest to the appellation of fast traveler. Their height is from fourteen to fifteen hands, color bay, make round and heavy, with lean heads, broad and deep chests, the fore limbs set far apart, clean and sinewy legs, short strong backs, with that projection of the ribs from the spine which is a sure indication of powerful lungs, and consequently of great wind and bottom.

The original Morgan horse, called also the Goss horse, is well known to have appeared in Randolph and in St. Johnsbury, (Vt.) some forty years since, and to have been kept as a stallion, at first with but little, and subsequently with tery great patronage, some five and twenty years, or until he was thirty years old or more. Various accounts are current as to his origin; many think it quite distinct from the Canadian breed of Norman French extraction, and consider the horse to some of the settlements on the Hudson river, southward of Albany. Stories are also told of a traveler's blood mare having got with foul by a Canadian breed from the canadian origin. This opinion being confirmed by the account here given, I ma anxious races in the Canadian hreed, I have believed that the original Morgan horse was of French Canadia origin. This opinion being confirmed by the account here given, I am anxious to ascertain whether any one can prove it erruseous, and if not to make it pupile, that it may be known that thousands of horses may be obtained in French Canadia of the same blood, and not inferior in qualities to the Morgan, whose existence maded several hundred thousand odilars to the weal

Sherbrook, P. C. August, 1841.

[AFFIDAVIT.]

Sherbook, P. C. August, 1841.

One of these cowns is sitteen, and two others fourteen years old. All of them are ingood health and exhibit the appearance, so it as a condition is concerned, of beiny roung animals, and two of them have regularly bred up to this time. These facts do not contribute to prove that this breed of animals are too tender or and elicitate to endure our coil climate, as I have occasionally seen delicitate to endure our coil climate, as I have occasionally seen delicitate to endure our coil climate, as I have occasionally seen delicitate to endure our coil climate, as I have occasionally seen delicitate to endure our coil climate, as I have occasionally seen additionally of the contribute to the proposed of the proposed and the quantity much greater than we have been able to obtain from susperior native cows with the same keep. My brother has regularly had good common cows on his farm for about twenty servers, and he affirms without qualifier-time this fact.

The milt from searly all of our cown is summary the same of Abot Shorey, a skilled on the seen of the proposed of the room deal that the product of the proposed of the pr

Management of Bees.

Management of Poes.

Management of Poes.

Messas. Gallond & Tuckke—In the last Cultivator, I notice an inquiry concerning diseased bees from Mr Quinny of Cox sackie, in answer to which I propose to give the public some part of my experience and practice on the subject. It is no uncommon thing for bees to be troubled with disease in the months of April and May when improperly managed during the winter and spring. For these disease's I shall only give a preventive. Bees when exposed to the severe storms of winter and the damp east winds of spring, are most liable to disease, especially if the hives are too open or too does. If too open in spring, after the combs are filled with brood, the bees are obliged to retire during a cold storm to the upper part of the hive and cluster together to raise animal heat sufficient for their safety, leaving the brood to the fury of a northeaster unprotected. Peath to the brood is the natural consequence,—the young soon become putrid, and before this loathsome brood of thousands can be removed by the bees, the greater part of them usually sicken and die, and if the colony is not entirely destroyed, it is rendered unprofitable for the season. If the hive is too close at the bottom, (and this is the only place that the air should be suffered to enter a bee-hive during the spring months.) a dampness is collected in the hive from the breath of the bees which is equally fatal to the brood with cold.

It is well known to every apiarian of much experience, that bees die from every hive more or less during winter. Now if these dead bees are suffered to remain under the hive and mold and putrify, it cannot be expected that the live bees will long remain in a healthy condition. But for the remedy. Fees should be kept dry and clean at all seasons; and to accomplish this it is necessary to use artificial means to some extent. Every hive should be of the best of workmanship, and made perpendicular, and if this rule is ever deviated from, it should never be smallest at the bottom, as this woul

Clearing Land.

Messas. Editions—I noticed an inquiry by one of your subscribers for the best method of clearing new land, and as there has yet been no reply, it may not be amiss to give my opinion and views on the subject. For the good of land, and for the ease of clearing, I would prefer to have the chopping done in the months of June and July, and take a spring burn the next season. I prefer this course, first, because there will be no sprouts on the land; and second, because the stumps will come out three or four years sooner than they would, if chopped in the winter or spring months, as then they are sure to sprout, and thus long retain some vitaility. To clear land slow and easy, I always girdle; and that work should be done in June, when the sign is in the heart. [7] I have seen the leaves withered and dried in one week. I always choose to let beach and maple timber stand until about half the top and branches fall to the ground, which will take place in some five or six years. When I wish to clear the piece, I cut the balance of timber down a few days before I wish to burn, always preferring the spring, as there will be less herbage on the ground at that time, and the burn, of consequence, more complete. I have seen land cleared that would not cost one dollar an acre to fit for the seed, after the timber was cut down; as in dry weather, when so prepared, the fire usually cuts it up effectually. I will answer friend Robinson in regard to a National Agricultural Society in the language of Sir David Crockett, "go-ahead, sir." Weather, field, Oho.

Cylindrical Straw Cutter.—(Fig. 61.)

"Protection against Drouth."

"Protection against Drouth."

Massas. Edwars—I noticed in your paper of August, an article signed "An Onondaga Farmer," in which, after quoting several authors in support of his opinion, he congratulates himself in having detected an inconsistency in an article copied from the "Yaukee Farmer," ne ruitled "Protection against Drouth." The principle at which he takes umbrage is that advanced by the "Yaukee," which reads as follows:—"In tillage the best protection against drouth that can be conveniently practiced to a great extent is, frequently stirring the earth, so as to keep it light and loose. In this way the earth at the surface is in many small particles, which serve as a nonconductor of moisture and retains it below, where the roots obtain a supply." The fact he admits, but denies the principle. Now the whole of this quotation appears to me to be strictly correct, and for these reasons:—It is a well known fact, that water rises in capillary tubes to a greater or less degree in proportion to their size, it rising higher and more rapidly in fine than coarse tubes. It is also well known that evaporation produces cold, or, in other words, carries off heat very rapidly. Apply these principles to the soil, and what is the result I The harder and more compact the earth is beaten, the smaller are the interstices between its particles, which constitute the capillary tubes, and consequently the more readily will the moisture in the earth to surface, and thence be carried off by evaporation. Not only so, but the more compact the earth is made by bringing its particles closer together, the better conductor of heat does it become, and that heat which should be retained off by this rapid evaporation) is conducted off into the body of the earth, raising the water far below the surface into vapor and dissipating it. The surface is thus left cold and unproductive.

On the other hand, if the surface is loosened up, the intersti-

near the surface (or at least that portion of it which is not carried off by this rapid evaporation) is conducted off into the body of the earth, raising the water far below the surface into vapor and dissipating it. The surface is thus left cold and unproductive.

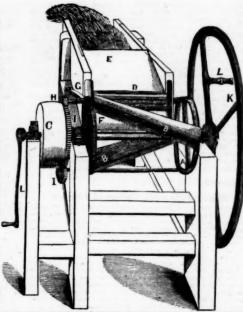
On the other hand, if the surface is loosened up, the interstices (or capillary tubes, if you please,) are enlarged, water rises with more difficulty through them, and is consequently dissipated more slowly. The loose earth forms a very good absorbent, but a poor conductor of heat, which, not being earlied off by a too rapid evaporation, is of course retained near the surface for the benefit of vegetation. The sume course, however, that makes the loose earth a good absorbent, makes it also a very good radiator of heat. Consequently, as soon as the sun declines, it rapidly gives off the heat from its immediate surface into the atmosphere, until it is cooled below the temperature of the air, and causes it to deposit its moisture in the form of a copious dew. This dew is only temporary in its effects, for it is commonly all dissipated by nine o'clock in the morning. It does not increase the general moisture of the soil. It must not, however, be supposed that because the loose soil radiates heat rapidly that it becomes too cold; for being a pretty good nonconductor of heat, the same principle that prevents its heat from being carried off into the bowels of the earth prevents it from cooling lower than its immediate surface.

From this I would infer that loosening the soil—though upon the principle last stated it increases the quantity of dew—operates much more effectually in obstructing the rise of water by capillary attraction. If this is its effect, it is no less useful in a wet than in a dry season; for as in the one case it prevents the moisture necessary for vegetation from being carried off too rapidly from the surface, in the other it prevents the rise of the superfluous water which would injure the roots of the plants.

I, however, do not believe

ith the pen. Plattekill, Ulster co., N. Y., Aug. 7, 1841.

Young men, learn wisdom Spend less money than you earn d you will every day grow richer. Never run in debt, and wyers and constables will have to become farmers.



Traveling Memoranda -No. 3.

Traveling Memoranda—No. 3.

Madison, (Ia.) Aug. 12, 1841.

Entross or Cultivator—The road from Logansport to Indianapolis, 70 miles, lies through a country of mostly level clay land, covered with a great growth of timber and but little improved and the road less improved. In fact it appears as though the settlers of that region consider it a total loss to work upon the highway—at all events they build but few monuments to prove the contrary.

As I progressed south, I became more and more sensible of the effects of the severe drouth. In many places corn will not yield a bushel to the acre, and pastures and meadows, where such things happen to exist, would burn like tow.

There is a great defect in agricultural knowledge in this part of the world, or we should find more attention paid to the cultivation of grass and stock. Around Indianapolis, there are some slight indications of improvement in this respect. But the fact that an agricultural paper was not adequately supported at that place, proves that the country is more rich in soil than any thing else. It is painful to learn that the agricultural society at the seat of government of such a state as indiana, after struggling through a brief existence, now sleeps too sound to be awakened by the ordinary cries of a community suffering for the want of a better system of agricultural education.

The editor of the indiana Farmer, after having actually sunk his own small fortune in the attempt to do good to his fellow creatures, was compelled to abandon the enterprise. Oh, Indiana! when will she arouse from her lethargy?

Ettween Indianapolis and Madison, 80 miles, the country is older and more improved, and in places not so bad and in others worse affected by the drouth.

Like a great many individuals, this state of late years has been so engaged in "great works," that minor ones have been much neglected. Consequently, whoever has occasion to travel by stage here, must make up his mind to have a great else in traveling 200 miles upon one of the most prominent stige

SOLON ROBINSON.

No. 4.

Prospect Hill, near Washinton, Ky. Aug. 22. 1841.

Entropy of Cultivator—For ten days past, I have been in such a busy interesting scene, that my memoranda have failen behind; but to-day I am domiciled in the house of Judge Beaty, and enjoying one of the many real Kentucky welforms that have found in this free-hearted state, with an opportunity to bring up my notes.

I wish my readers to understand that I am no flatterer of persons, and that in speaking of them, I only wish to show what a good, kind, noble feeling exists among aericultural brethren, which is forming a "band of brotherhood" that will prove a blessing to this nation.

I took the Frankfort stage at Madison early in the morning of the 14th, and after being detained waiting for the horse ferry boat till nearly sun rise, we were at length on board, when the cry of "the fog is coming," brought every eye towards a great dark mass that seemed to be rolling down between the high

hills that bound the river on each side, like some mighty avalanche, threatening to overwhelm everything in its way. Crack went the whip, and the poor horses had to suffer for the drowsy tardiness of their maters; for strange as it may appear to strangers, so sudden does the fog come on here, that we had scarely time to make the passage of the river, which the great drouth has rendered but a diminutive stream, before the fog scheduled with the stranger of the river, and any attempt to make the passage at such a time is not only fruitless, but sometimes dangerous. It not unfrequently happening, that the boat after a toilsome attempt, comes back to the same shore it left an hour before.

From Madison to Frankfort, 82 miles, the country is extremely hilly, and at present, parched with drouth to a distressing degree.

quently happening, that the boat after a toilsome attempt, comes back to the same shore it left an hour before.

From Madison to Frankfort, \$2 miles, the country is extremely hilly, and at present, parched with drouth to a distressing degree.

The town of Newcastle, which is a large country town, has but one amall spring, and no wells, and the stream that usually supplies the town, as well as nearly all the ciserns, is quite dry. Much of their water has to be bauled several miles. The town is situated in a valley, and upon a limestone rock, that as yet has defied all attempts to penetrate through to water. In the settlement of a new country, slight circumstances induce the settlement of a place that afterwards grows into a town. Here, it was the fine spring, convenient and ample for the first settlers, but insufficient for the present population.

Frankfort, the capitol of this capital state, is upon the east side of the Kentucky river, \$5 miles from the Ohio, surrounded by wild, high, rocky, and romantic hills, and is a very different spot from what modern taste would select for a city. Here the beginning was induced by a favorable location upon one of the hills for defence against the Indians, and upon the "great Buffalo tract" that ranged through "from Limestone to Reargrass," now the flourishing cities of Maysville and Louisville. It may be interesting to some, that I should mention, that in the first settlement of Kentucky, the whole surface was covered with a thick cane brake, and the only method of passing through the country with any ease or rapidity, was to follow the Buffalo trails, or along the beds of creeks. Now that dense vegetable mass has entirely disappeared from the face of the country, except now and then a farmer has had the good taste to preserve a little patch as a memento of olden time. Olden time! did say! Why some of the first settlers of Kentucky, yet live upon the land they won through a long struggle with the aboriginee, who fought manufully to retain his favorite hunting ground.

Wh

rigines, who lought manually to retain his favorite hunting ground.

When I arrived in Frankfort, I ordered the stage to set me down at the door of Thomas B. Stevenson, the energetic editor of the Kentucy Farmer. Much to my own, and more to his regret, his wife had left home that morning on a distant visit, and when I arrived, I found him also absent; but I found "the way prepared;" my name was familiar to the servants, and I went into possession of comfortable quarters with a feeling of freedom and pleasure that I always feel when I know I am welcome, and which I was sure of here, even before I saw the index of it upon the fine open manly countenance of my friend when he came in shortly after my arrival.

I spent a couple of days at Frankfort very agreeably, way

upon the fine open manly countenance of my friend when he came in shortly after my arrival.

I spent a couple of days at Frankfort very agreeably; asw some fine stock and farms in the neighborhood, took note of the noble improvements of the Kentucky river, by which the state is making a slack water navigation from the great coal, iron and timber region on the head waters, to the Ohio river; also visited the Penilentlary, and took particular notice of the great tagging menufactory; examined the fine specimens of beautiful marble that abound in the hills: and on the evening of Monday, the left, by special invitation went out on the Lexington rail-road, five miles, to the plantation of Robert W. Scott, Eaq. one of "natureds notheren," displiced and improved by a location in "glorious old Kentuck."

In Mr. Scott, I found one of the best specimens of "in lawyer turned farmer;" that I have ever met with. In his wife, I found those delightful charms that make a wife lovely. It is impossible for me to speak of this city bred pair, retired to and enjoying the comfort, contentment and happiness only to be found upon a farm, as I feel that the amiability of their character deserves. But their remembrance is impressed upon my heart, and forms one of those links of union, "that can, that must, that will."

Mr. Scott's farm is a perfect illustration of what may be done

be made to exist between the friends of agricultural improvement.

Mr. Scott's farm is a perfect illustration of what may be done upon worn out land, by the improved system of husbandry. His farm is in a high state of cultivation—every scre, woodland and all, yields a good interest upon the valuation of \$60 per acre, the entrance to every lot is through a well hung, self-shutting and fastening gate, and every lot numbered with conspicuous figures upon the gate post.

Not a bush, or weed or brush, or old rotton log is permitted to disfigure the beautiful lawn-like blue grass pastures, which are covered by some of the finest specimens of Duiham cattle in the state.

The greatest cultivated crop is hemp. Here for the first time, lwitnessed the operation of lish hemp cradle; and although had looked upon it as a doubtful improvement, I am bound to say, after conversing with the proprietor, and more particularly with the field bands, that it is a decided improvement, and a highly useful agricultural implement.

After spending one of the most agreeable days of my life, I took the evening train of cars, and arrived in Lexington, Tuesday evening about dusk. The distance from Frankfort to Lexington, 28 miles, over a very rough rail-road; the cars propelled by horses.

I had no sooner registered my name at the botel, than I found audits old accumingness, not of the certainally, but it name

ington, 28 miles, over a very rough rail-road; the cars propelled by horses.

I had no sooner registered my name at the hotel, than I found sundry old acquaintances, not of me personally, but by name. Around Lexington, the garden of Kentucky, I visited so many fine plantations, and met with auch a universal hospitable reception, that I should become prolix and tiresome to you and your readers, were I to go into particulars. I however spent a night with William P. Curd, the great Perkshire hog breeder of Kentucky. His fine farm is 24 miles south of the city, and is a part of the original plantation originally settled by his grandfather. He has about thirty full grown Berkshires and several fine Irish graziers. Five of his Ferkshires have morted. Old Ben Shaker, a monstrous hog, is yet active and vigorous. Mr. Lossing's old Maxima and her companions had just arrived and looked full as well as could be expected after so long a journey in such hot weather. Mr. C. has nor lerkshire harrow that will weigh near a thousand pounds. He finds ready sales for pigs at \$30 a pair. On Thursday, Mr. Curd took his bugy and drove me: pto Dr. Martin's, where lexperienced the mortification of finding him absent from home. We were however, very politely received by his son, and after spendings few hours among the doctor's numerous hogs and cattle, we took the road in the cool of a very hot day towards Lexington. Hy previous arrangment, I stopped at the delightful mossion of Richard Pindle, Eaq whose plantation adjoins that of the Hon. Henry Clay.

Mr. Pindle is another fine a specimen of a lawyer farmer, he will followed the content of the content of the content of the properties of the received in the securious of the content of the con

Clay. Mr. Pindle is another fine specimen of a lawyer farmer, he still following his profession. In the morning, after earmining his own and the adioining plantations, and the heartiful show of fine stock, Mr. Pindle took me in his carriage, and spent the whole day upon those unrivaled plantations, that abound in that most heartiful and unrivaled country around Lexington. I have taken copious notes of many things that gave me great pleasure that day, but I have already spun this letter out to such a length, that I must bey permission, if what I have written should prove interesting, to refer to those notes at some future time.

mes in favor of the prosperity of this city and the high of improvement of the country; and that is, that nearly y one of the roads diverging from Lexington, is a complete

volumes in favor of the prosperity of this city and the high state of improvement of the country; and that is, that nearly every one of the roads diverging from Lexington, is a complete Macadamized turnpike.

Upon one of these, the Mayaville road, I started yesterday at 4 o'clock in the morning, and after passing over some 60 miles of a very fine country, (excepting the celebrated "Blue lick knobs,") I was set down at 1 o'clock, P. M. at the mouth of Judge Beaty's lane, and calling one of his black boys from a neighboring hemp field, to take charge of my baggage, I walked up to the house, which according to Kentucky fashion, is situated in the middle of a 450 acre tract, about a half mile back from, and out of sight of the road. I found a venerable, good looking, intelligent old man, enjoying his book after dinner, under the shade of a noble old elim in the yard, and at once approached and announced my name, and in five minutes I was as much at home as though under my own roof—and here let me and my readers take a short rest from the labors and remarks of their old friend,

Massas. Euroas—I have been an attentive reader of the Cultivator, and am much interested in the views of your able correspondents, Messas. Garnet and Robinson, relative to a National Agricultural Society and the Smithsonian fund, by phrobasing the back numbers of the Cultivator or some equally valuable agricultural journal, and distribute full setts, except the current volume, to the head of every family casaged in agriculture that is not now a subscriber—not, Messrs Editors, that I propose giving you a fat job; far from it—I propose that the work estereotyped and furnished at as low a price as any publisher in the United States would undertake to do it—for I myself am but a poor farmer, but I am a much better one than I was five years ago, and i attribute my improvement to the Cultivator, and I expect to improve further, either with or without the Cultivator.

Feeding Hay to Sheep.

I am located in a yerr hille country

am but a poor larmer, but a tank a improvement to the Cultivator, and I expect to improve further, either with or without the Cultivator.

Tooding Hay to Sheep.

I am located in a very hilly country, and of course my system of farming is various, but my intention is ultimately to confine myself to raising fine wool. I have tried many ways of feeding sheep hay. I have spread it on the ground, which I consider the most slovenly and wasteful. I have fed in board boxes, or racks made about 24 feet wide and from 12 to 16 feet long, with a roof to keep the hay dry; they are made of boards about 1ft. or 15 inches wide, nailed on 4 inch scantlings in each corner; the bottom board to stand on the ground; the next course to be nailed on 8 inches above, leaving that space all round the box for the sheep to put their heads through to the hay; but they will waste considerable hay fed in this way, if they are fed all they will eat. For the last two winters I have let my sheep run to the stacks, which may appear to be very wasteful and slovenly in theory, but I do not find it so in practice, owing the manner in which I build my stacks. In the first place I take a pole about 5 inches diameter at the butt and about 3 the top; blue ash is the best. I set this about 29 feet in the ground and stamp the dirt firm around it; let it be long enough to project about 3 feet above the top of the stack, for convenience of the stacker in topping off: then take 4 blocks about 15 inches high, sawed off a log about 15 inches in diameter, place them around the pole, and on those blocks build a rail pen only three rail high; cover the ground with rails about 6 or 8 inches apart to keep the hay off the ground, and in this pen and around the pole, the bottom resting on the rail pen, until the sheep will eat it all up, with but little waste. Such has been my practice for two winters past, and I have this summer stacked all my hay intended for sheep in this manner. My sheep are Saxony and grade sheep, and I have about 750. Have tried various length

Strawberrios.

I cannot but earnestly recommend every farmer to bestow more attention to the garden, both on the score of profit and comfort. I last year raised over 4 bushels of struwberries on a piece of ground measuring 38 by 39 feet. They were set out in hills two feet apart each way, and required but little labor in cultivation. Respectfully,

Rutland, Mesgs Co. Ohio, Aug. 4, 1841.

"Knowledge is Power."

"Rnowlodge is Power."

The characteristic of the present day, is reformation and general improvement in the agricultural department—in the sciences and arts—by general diffusion of agricultural and scientific knowledge and by "elevation and refinement of intellet."

Thus it is by a knowledge of the laws which govern material substances, that we are to become acquainted with their nature and composition. Our success, in performing experiments, depends on our knowledge of the substances.

We can see a great deficiency among our most practical farmers, in the department of scientific knowledge.

There is a very erroneous idea, which is too extensively entertained among all classes of community and which has too long wound its acroneous idea, which is too extensively entertained among all classes of community and which has too long wound its acroneous idea, which is too extensively entertained among all classes of community and which has too long wound its acroneous idea, which is too extensively entertained among all classes of community and which has too long wound its acroneous idea, which is too extensively entertained and in this entitle the properties of the properties. Our fathers, we know, had but poor facilities for acquiring knowledge not an interest of the properties of the properties. Our fathers, we know, had but poor facilities for acquiring knowledge growing that have been under the plots," as it is termed, until they have become completely impoverished; and then they are thrown aside as good for nothing. Therefore, under such circumstances, we must commence a renording system. But how is this to be accomplished? I hansver by artificial aid.

But this cannot be done by us, who consider ourselves good practical farmers, because we have been taught to flow in the footsteps of our predecessors—our fathers, who knew to the properties of the ingr

thereby we are rendered close and profound thinkers, critical and scientific investigators, and close and exact reasoners. And furthermore, there is a pleasure in pursuing the sciences, which cannot be described; and which none but those who have experienced it, know how highly to appreciate. If a person becomes well versed in the sciences, he enjoys many pleasures, to which he who is contented to remain in ignorance, must ever remain a stranger. It matters not whether an individual designs to occupy some conspicuous station, or to foilow the humble occupation of an agriculturist, he needs a vell cultivated mind. He needs that knowledge, which will enable him to learn by actual experiment, what soils are better adapted to the growing of wheat, &c.

He should know by what means he can restore a worn out farm to its native fertility, which will be the least expensive. He should know the nature of every plant, and in what locating ingredient that composes them.

The sciences unquestionably reflect a vast amount of light on these, which are, as yet, unhidden laws to the majority of farmers, which would if rightly appreciated, be productive of an infinite amount of good. And besides there always appears to a scientfic mind, even in the smallest plants something that is calculated to expand the mind, and which strikes it with awe.

A. E. A. A. Lansingville, Tomp. Co. April 8, 1841.

Lansingville, Tomp. Co. April 8, 1841.

a scientife mind, even in the smallest plants sometning usin a calculated to expand the mind, and which strikes it with awe.

Lassingville, Tomp. Co. April 8, 1841.

Experiments in the Culture of Potatoes.

Massas. Garlana & Tuckra—I have been a constant reader of the Cultivator from its first animber, and have always estermed it a highly valuable periodical, but among the very many instructive communications in that valuable work, iocasionally find interspersed, articles which are not calculated to lead to any satisfactory result. I allude to such crack articles which are not calculated to lead to any satisfactory result. I allude to such crack articles without telling us how many cows he sucked, and what other food he had received, and the great weight of a yearling short horsed bull, without stating the amount of milk, meal, roots, &c., he had consumed. Now, if such correspondents had, at the same time, taken a calf of some other good breed and given him food, equal in quantity and quality with his pet, we might breeds; but my principal object in this communication, is a passing notice of some of the reports on the Rohan Potato,—as also an experiment made by myself, with the Rohan and three other varieties of the potatoe.

I shall not undertake to write out the several reports on the Rohans everal of them, however, run thus or nearly so:

From 3 Tubers I raised 3 14 Abushels.

If it is a several of them, however, run thus or nearly so:

From 3 Tubers I raised 3 14 Abushels.

If it is a several of them, however, run thus or nearly so:

In the above list of experiments, some have stated the number of eyes in each tuber, and the number of hills planted; but have not stated the distance between the hills, so that the product, preserved in the product per accenant be ascertained. Again, few describe the soil and the quantity and quality of manure applied, and none, with the potato called the Frish Cups.

In the same soil, manure and treatment: so that nothing can be decided as to the relative productiveness of my

to Stark county, as being each in its turn the most desirable location we had yet seen, and where, if I were the possessor, I would willingly end my pilgirinage, and settle down with scarce a thought or wish that would not be gratified in the scene around.

I thought nothing could be found finer than what we saw in the neighborhood of Wooster At Massilon we found a very worthy friend and a banker, at his cottage, some distance from town, upon a large farm, and in the midst of his harvest. He scemed to enjoy himself much more among his sheaves and stacks of wheat, than behind his counter, and surrounded by the irredeemable currency, which I am sorry to say, is found in one of the richest states in the Union. His cottage is a perfect pem, and so situated, that you looked out upon nearly a hundred acres of wheat then ready for the sickle. All about him beapoke the thorough and independent farmer. When we took our leave of him I could not help faciling that his, if any man's, was a lot to envy. I thought we should find no more places to equal this, but, as we drove into the rich old town of Canton, I saw several which would have puzzled me much in making a choice. With any of them a reasonable man must have been satisfied. Our business led us to a little village, some four miles down the river from Canton to a large milling establishment. In one of the proprietors I recognized an old friend, who some twenty-five years ago, while exercising the functions of a pedagogue, had brought me in rather too close contact with his birch sceptre. The smart was soon forgotien, though the person was well remembered. The evening passed rapidly away, and finding it late we abandoned our purpose of returning and put up with our friend for the night. The first thing I did in the morning was to examine the barn, and in this land of agricultural monstrosities, as Ohio may be called, I have seen nothing to compare with "that barn," in indeed question whether for size and completeness of its internal and external arrangements it has a s

Saving Clover Seed.

show how illusory all such experiments are, without a comparison with other varieties, and with equal treatment.

Now to my experiment. I purchased a farm twenty-five years ago, which is situated about seven miles from my treatment and attempts, and a startered, and have let it on shores ever since, (keep-time the startered and into three equal portions as nearly as was convenient, leaving the residue of the farm for meadow, corn and other is uses, and put my wheat land under a three years course of cultivation, i.e. one year under wheat and two years under the cover, applying plaster to the clover during the two years pasturage, to which use it was constantly applied until plowed few years he land was brought from a state of perfect exhaustion to a pretty high state of cultivation. The plat of ground of one of the wheat fields, and had been under the above course of management for twenty-five years—it contains about three of twenty-five years—it contains about three acres, is prefectly level, the soil toam, on a subsoil of marity of the plaster which had been put to to it during the afores and course of management, and what was dropped by the cattle while feeding off the clover—there is not a shade on the plat, nor any locality to invite cattle to visit or beat upon one part more than another of the piect, the soil was herefore a soil course of management, and what was dropped by the cattle while feeding off the clover—there is not a shade on the plat, nor any locality to invite cattle to visit or beat upon one part more than another of the piect, the soil was herefore as an expectation of the piect, the soil was herefore as an expectation of the piect, the soil was herefore as a construction of the piect, and in the following order, to wit: four rows of Robans through the middle of the plat, and in contiguous residual to the power of the piect of the plat and in the following order, to wit: four rows of Robans through the middle of the plat, and in contiguous residual to the power of the plat of the power of

National Agricultural Society.

Mational Agricultural Society.

Messas. Gaylond & Tucker—When I last wrote to you, I little expected so soon to have any cause for addressing you again; but your correspondent, Mr. F. Burt, of Ohio, has made it necessary. I beg, however, that neither you nor your readers will suppose that I notice his communication on my own account. My sole object is, to prevent, if I can, any such misconceptions being entertained by others as Mr. Burt seems to have formed in regard to "the visionary notions," (as he is pleased to call them,) of Mr. Solon Robinson and myself, relative to a National Society of Agriculture. It is true that he has bestowed upon us the most exalted praise, by calling us "benefactors of the human race;" but he has done it in a way that reminds me very much of certain plays of "the olden time," which always ended in some of the company being made to redeem the pawns that they had forfeited in the course of the play. One of the most common sentences was, to require the condemned to pay a compliment to some one of the party and to spoil it. At one of these plays, within my recollection, a certain very awkward old Scotch batchelor who was some years past the age entitling him to be called a "Dumbarton youth," was commanded to perform this difficult task to a young lady equally remarkable for beauty of features and weakness of understanding. He had no sooner heard his sentence, than he marched up to the fair pirl, and to the infinite surprise and regret of his auditors, said, "Miss Mally, you are an unco preity lassie, but a grate fulle."

Now, our friend Mr. Burt has served Mr. Robinson and my-

ord would adopted the season are reply and the design of the properties that inflicit and to a property of the season of the property of the season of the property of the pro

THE CULTIVATOR.

The control of planters and farmers can be found in the whole United States, willing to raise and spend for such purposes, "fen thousand dollars a year" of the state of a National Society of Agriculture, I should not question in their right to do so, but should certainly never become a configuration of the neutral should be laken from him. It is deed to be made to the should be laken from him. It is deed to be made to the should be laken from him. It is deed to be made to be should be laken from him. It is deed to be made to be should be laken from him. It is deed to be made to be should be laken from him. It is deed to be made to be should be laken from him. It is deed to be made to be should be laken from him. It is deed to be should be laken from him. It is deed to be should be laken from him. It is deed to be should be laken from him. It is deed to be should be laken from him. It is deed to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken from him. It is deal to be should be laken fro

Comments on the August No. of the Cultivator.

The first article upon which I shall offer any remarks is that under the head of "Signs of better Times." I agree with you in all but the second sign—which is in the following words: "Speculation has had its day, and the thousands who have been ruined, have had time to repent at their leisure. The mass of the nation are convinced that honest industry, and slow and sure profits are far preferable to the hap-hazard and demoralizing influence of such baste to be rich."

It is true that the particular speculations which have ruined thousands have had their day; and that the multitude of victims thereof have had full time to repent. But will they do so,—at least to far as to be effectually guarded against the first new and strong temptation to speculate in some untried way? Experience, I think, says—no. For although—even ruin itself resulting from too great haste to be rich, may check them for a while, yet all history proves that those whose hearts have once been poisoned by this most destructive passion,—so appropriately called by the Romans,—the "Auri soars fames," rarely ever recover entirely. Nothing but the early moral and ever saye as from it.

I believe there are many of your readers beside myself, who heartily thank you for publishing the letter of the English farmer—Mr. John Hassan. Nothing will tend more to strengthen those numerous ties of interest and friendship which should preserve our two nations in perpetual peace with each other, than the frequent interchange of such communications; and whenever needed, I should rejoice to hear that they were published in every state in our union.

In regard to the proper time of cutting wheat, the very accuse executed as a first of the entered and the proper time of cutting wheat, the very accuse and the propers time of cutting wheat, the very accused as the propers of the proper time of cutting wheat, the very accused as the propers of the proper time of cutting wheat, the very accused as the propers of the proper time of cutting wheat, the very accused as the pro

lished in every state in our union.

In regard to the proper time of cutting wheat, the very accurate experiments of Mr. Hansam confirm the opinion which, I believe, is now very generally adopted by the best and most experienced wheat grabers. The state which Mr. Hannam calls "raw," I understand to be that in which the grain has entirely lost its greenish hue, but will still mash upon being pressed in the hand. And if cut in this state, numerous experiments long ago published in our own papers, prove, that it will not only make better flour, when dry, but will weigh more than that which was not cut until "dead ripe," and consequently is better also for market. But it should not be forgotten, that the proofs of "dead ripe" wheat being best for seed, have been quite as numerons and satisfactory. Indeed, it seems to me pretty well established, that it is still better for sowing, if it be kept until it is a year old. It is said to yield more grain in proportion to straw than newer seed.

Your correspondent, D. L. of Erie county, N. Y. asks fi some information as to the best means of preventing smut wheat. The kind of smut which he describes is not known iny part of our country. But in regard to that which converthe abbstance of the grain into a stinking black powder, it general belief is, that if you will suffer your wheat to be "dearipm" before it is cut, then sonk in strong brine, and roll it i lime, no smut will ever affect it. I have witnessed many proof the correctness of this opinion.

the substance of the grain into a strating direct power, the general belief is, that it you will suffer your wheat to be "dead ripe" before it is cut, then soak in strong brine, and roll it in lime, no smut will ever affect it. I have winnessed many proofs of the correctness of this opinion.

Suffer me now to make a few remarks on the communication of your correspondent, "Pearl," of Hinds Co. Mississippi. He will be a Pearl of high value indeed, if he can teach is how to make corn without plowing at all, which, if I understood him, has been done, at least in his own regularies of the words are,—in a led where a part was plowed, and a part a poloub had never been in, only a row divided "—"In the plowed part the corn was badly fired,"—in the other part, it was "green to the earth." It is from the words which have taken the liberty to underscore, that linfer Mr. Fearl knows how to make corn without plowing at all. Now such a mode would truly be a great treasure to all the lazy corn growers of our country; and since it is my misfortune to be one of them, I am particularly anxious to try it in my part of the country; especially since the only plan of the kind that I ever heard of before, most worfully failed with all who tried it. It was soid as a secret by a certain Hibernian, whose name I forget. The price to each purchaser was some forty or fifty dollars, and he actually humburged a considerable number of very good corn growers in the Ancient Domainon, until he amassed several hundred dollars and forthwith decamped. This, you must admit was quite enough to make me somewhat sceptical, as to the possibility of making corn eatirely without the plow. But still it is so great a desideratum, that I am not only willing, but desirous to try the plan mentioned by Mr. Pearl, especially as it seems procurable without more about m king corn than the "old planter," who acknowledged that he could not account for the fring of the planted of the first of the corn was an invitable conservation that the wing continue to its having

Mr. W. P. Kinzer of Pennsylvania,—"A Young Farmer" from North Carolina, and Mr. A. G. Alsworth of Mississippi, well deserve the thanks of all who are friendly to the establishment of a National Society of Agriculture. Their advocacy of the scheme will somewhat more than balance the hostile attacks of your correspondents "Northern New-York," from Ballston, and F. Burt of Ohio, who are the only two enemies that have yet publicly avowed themselves. If none more formidable should appear, I think there will be little difficulty in predicting a favorable result.

Mr. J. R. Moser's humorous account of what he calls "The Skinning System," which prevails in some parts of North Carolina, is a happy illustration of the effects of very shallow culture. But a man has only to travel through some parts of Virginia and Maryland, to find a full match for it. Fortunately, however, for the cause of agriculture, the land-skinners are men who either will not, or cansol read. There is no hope of their reformation so long as they wilfully continue in this state of deplorable ignorance. But their number is slowly decreasing, and therefore we may reasonably hope—will soon be extinct.

In Mr. N. Sutheriand's enumeration of the various methods by which wheat may be converted into cheat, he has omitted one which I beg leave to add, as I have seen it more strongly recommended than any other I have yet heard of. It is, to have the wheat grazed down by gesse if they can possibly be procured.

The wheat grazed down by geese if they can possibly be procured.

Your quotation from "The Tennessee Agriculturist," has something in it so marvellous, that the editor, I hope, will pardon me for asking a few questions. Has he himself ever seen a horned sanke? If not, why does he say, "it is true," there is really a serpent so called? No museum I believe, has yet any such curiosity in it. Again, what appearance was it, on the small end of the "six or eight foot pole," struck by a rattle-snake at the base end," that he saw in "a few seconds" after the stroke, and supposed to be the poison of the rattle-snake? How did he know it to be the poison? Might not the appearance have been caused by something else? I cannot believe it was the poison for this reason. If the viris of a rattle-snake could travel through a green pole at the rate of six or eight feet in a few seconds, would it not be diffused through a human body with equal rapidity? And if so, how could any person who had been bitten, possibly escape death, as they often do in cases where some hours elapse before the usual antidotes can be applied? These considerations induce me to believe that whatever the editor of the Tennessee Agriculturist saw at the small end of the green pole, it could not have been rattle-snake Commertation.

Culture of Forest Trees.

Culture of Porest Trees.

y be applied? These considerations induce me to believe that whatever the editor of the Tennessee Agriculturist saw at the small end of the green pole, it could not have been rattle-snake poison.

Culture of Forest Trees.

To Francis H. Gordon, Esq. Tennessee:

Sir—Not having seen any answer to your inquiries in the May number of the Cultivator, for "accurate information on raising chestnut timber from the seed, and red cedar from the berries," I remember to have often searched for "seedings under chests that had germinated after having lain upon the ground through the winter, buried under the leaves. I have noticed that walnuts, hickory nuts, acorns, &c. germinate in the same manner. Taking nature, therefore, as the best guide in these matters, it would say, plant all kinds of nuts in autumn, before drying. Plant in rich soil, for notwithstanding the chestnut seems naturally to delight in poor soils, there is no principle better established in timber growing, than that young trees should always be raised on good land, so as to carry a stock of health and strength with them from the utwers. Cultivate in aurentable and strength with them from the utwers. Cultivate in aurentable in the same state of the same stablished in timber growing, than that young trees should always be raised on good land, so as to carry a stock of health and strength with them from the utwers. Cultivate in aurentable in the same stable part at seven years old, of nursery culture, and the tap-root cut when transplanted, than at ten years old from seed planted where the timber is to stand.

I have tried, in vain, for two seasons past, to grow chestnut trees by engraling the scions on oak roots. A neighbor of mine had sent him from New-York, last year, two thousand, if which have succeeded. They came borded in and, which is the most

periodical, from farmers of various localities, where any of the undermentioned species of timber may grow, and who will engage to put up for me, and deliver at some point of snipment, the seeds of the chestnut, beech, American poplar, white and red cedar, white and pitch pine, American poplar, white and red cedar, white and pitch pine, American larch or hackmatch, helly, osage orange or box wood, white mulberry, and the hedge shrub called pyracantha. I am anxious to obtain all of these the coming autumn, and to test the growth of the evergreens, particularly on these prairies. I think the above, added to what I have and can obtain in this locality, to wit: the different varieties of oak, the hickory, ash, maple, black and white walnut, pecan, cottonwood, linden, black and honey locust, elm, sycamore, coffeenut, buckeye, backberry, catalpa, cherry, black, Chineae and Alpine mulberry, white thoru, and Judastree, will make a grove of mixed woods, worthy to grace a prairie; and I will be under particular obligations to you, Messars. Gaylord & Tucker, and those who through your columns, engage to aid me, besides paying for the seeds and holding myself bound in courtesy to answer exchanges.

M. L. K.

Mr. Prentice's Farm-Short Horns, &c.

Mr. Frentice's Farm.—Short Horns, &c.

Mr. L. Tucrer.—While spending a day in your good city of Albany, a short time since, you were so kind as to invite me to ride with you to view the beautiful farm and country house of Mr. Frentice, two miles below. What I there saw, savored so much of improvement in all that tends to exait our agriculture, as well as of good taste in embellishing the rural resting places of our opulent men, that I shall be excused for trespassing a moment on your columns in noticing it.

I can only speak of the charming villa and farm of Mr. P. by remarking, that it is in all respects such a spot as a gentleman of wenith, good taste, and of strictly ut-litarian notions, would select for a country residence, where he could at his case and leisure enjoy an almost unbounded, yet well defined and edightful landscape, surrounded with all the luxurious appliances by way of buildings, garden, orchard, park, and farm, which even a wide ambition would desire, and where, I hope, he may long enjoy the intelligent and sensible pleasures which he has already drawn into his possession. I-was charmed with the grounds, the fruits, and the flowers, which the politeness and kind attentions of the owner pointed out to us, and more grounds, the fruits, and the flowers, which the politeness and kind attentions of the owner pointed out to us, and more than usual with the beautiful landscape which ever spreads abrond from the crowning hills of your glorious Hudson. But what most engaged my attention was the noble herd of Improved Short Horns,

abroad from the crowning hills of your glorious Hudson. But what most engaged my attention was the noble herd of Improved Short Horns, which Mr. Prentice has for the past five years been collecting, principally from importations of his own, at great expense and labor, from England. His herd now consists of between thirty and forty as fine animals as can be found, I venture to say, in any herd of an equal number in the United States.

They were in excellent condition, which was the more surprising, that there was scarcely any feed in the pastures; and he assured us that they ate nothing besides the scanty herbage growing upon them.

Among so many beautiful animals, it is difficult to remember names, and I took no notes; but I cannot omit to name one individual and her produce, that struck me as a remarkable instance of the value of a fine and fortunate cow. His "Matilda," if Imistake not, seven years old, with her six he/fer calves and their produce, exhibit the most beautiful as well as remarkable specimen of an entire Short Horn family that I have witnessed. Few animals can equal them in excellent points, and still less exceed them in the ripeness, maturity, style, and fashion of their appearance. Several of the cows, Mr. P. informed us, were extraordinary milkers, one or two giving for weeks together, as high as thirty-two quarts of milk per day, a quality, however, characteristic of the Short Horns. Mr. P. has been eminently successful in crossing his fine bred cows with a stort and vigorous bull, "Leopard," from the Patroon's stock of Short Horns, which as a herd, although somewhat coarse, are of great size and most vigorous constitution, and making a capital cross with finer and high bred stocks. This experiment Mr. P. has tried with great success, and I shalb ed disappointed if some of the best animals in our country do not date their origin or descent from his herd.

Among the cows, were several that were imported during the last two or three years, from some of the best stocks in England, and Mr. P. inf

tates. Leaving Mr. Prentice's, we rode on to take a view of the

Hereford Cattle,

Hereford Cattle,

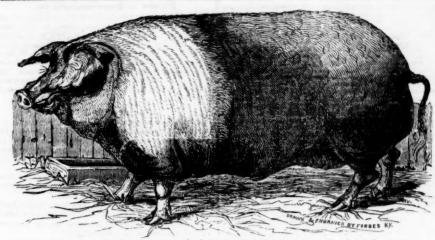
of Messrs. Corning and Sotham. These were in fine condition, although suffering, as were Mr. Prentice's, from short and dry pastures. Having seldom seen any of this kind before, they struck me as being a fine and superior breed of cattle for beef, and for laboring purposes, and well adapted to a prolific grass region where the rearing of cattle is solely an object. The cows of this breed cannot to appearance, be great milkers: or very superior ones; and although they are beautiful in form and look, and a few of them possessed extraordinary points of development in excellence, yet as a whole, I prefer the well tried Short Horns, certainly thus far proved to be the best milking cows in the world. Still I will not condemn the Herefords. As working oven, the Hereford bullock must be an animal of great honesty, strength, and beauty; and for beef, and aptitude to fatten, perhaps has no superior; but the absence in them of that most desirable of all, the milking quality, enhances in my estimation over any others the improved Short Horns.

Our return from this pleasant recreation brought us into your

mation over any others the improved Short Horns.

Our return from this pleasant recreation brought us into your "Cultivator" office, where I could have spent many pleasant hours in conversation, and in looking over at my leisure your capital collection of agricultural works, plates, magazines, pictures, models, &c. and which I commend to all lovers of good agriculture, as they visit Albany. In due time, I hope to see you on your own farm, as every agricultural editor should be, surrounded by your own superior stock and husbandry, and giving practical lessons monthly to your readers, derived from your own experience.

L. F. A.



MR. STARR'S WOBURN BOAR-[Fig. 82.

MR. STARR'S WOBE

MESSAS. EOITONS—Agreeably to my promise, I send you a cut of the Wobura Boar in my possession, which took the first prize is at the last fair of the American Institute in New-York. This animal was imported from Woburn, in England, and is considered by many judges of stock, to be the finest specimen of swine in the United States. Two members of the committee, to award prizes on stock at the last Fair of the American Institute, informed me since that they considered him a perfect animal, and could not point out a fault. By the way, these two gentlemen are not interested in any particular breed of swine. His measurement at twenty-two months old, was 7 feet and 8 inches long, 6 feet 2 inches in girth, and 2 feet 8 1-2 inches high; and he was supposed to weigh nearly seven hundred pounds. From the great difficulty of obtaining swine of this breed in England, few have been imported, and they are not extensively known in this country.

The Complete Grazier, (a work on live stock, published in London) says of the Woburn breed, "This is a new variety, introduced by the late Duke of Bedford; its size is large, and color various. These swine are well formed, hardy, kindly disposed to fatten, attaining nearly twice the size and weight of other hogs, in a given period of time."

Rees' Cyclopedia describes them as "a hardy, well formed, prolific sort, rising quickly to a large weight."

Silk Business in Ohio.

Messas. Gaviono & Teckra-I am advised by our friend Judge Lane, of this place, and others who have witnessed our operations of late in feeding worms, and manufacturing sewing-silk, to communicate to you for publication, a plain statement of facts, from our commencement in this business, until the present time. The improvement that we have made is considered of great importance to our country. The article accompanying this, with the certificates, were first intended for the Cultivator, but owing to the anxiety of a number of individuals in this place, it was published for the first time resterday, in one of our newspapers. I forward you a copy, wishin; it to be published in your next number.

Norwalk, Okio, Aug. 25, 1841.

J. B. TILLINGHAST.

This may certify, that four years have passed since I first

uais in this place, it was published for the first time resterday, in one of our newspapers. I forward you a copy, wishin it to be published in your next number.

Norwalk, Ohio, Aug. 28, 1841.

J. B. TILLINGHAST.

This may certify, that four years have passed since I first commenced feeding the silk worm, and have annually increased my stock of trees to half a million. Notwithstanding my success the three past sensons exceeded my expectation in this new branch of business, until the present season, I found some trouble and difficulty and much anxiety in the last stage of the worm before winding, which has led me to adopt a new mode of feeding.

In the first place, in the old way of feeding a large crop of worms, directly after the fourth moulting, so much food is necessary, that much hurry and confusion is unavoidable. And in the second place, much labor is required in frequent changing, in order to keep them clean and healthy. And, thirdly, the difficulty of preparing, in proper season, suitable fixtures for making their cocoons agreeable to the natural instinct of their species. In taking all these difficulties into consideration. I fin tily earne to this forcinite conclusion;—unless some material changes should take place in the management of the worm, in the manner of feeding, &c., this important branch of industry could not well be carried on to much advantage in this country; therefore I ventured the following experiment:

I feed my worms as formerly in our nursery room, as we call it, about 20 by 40 feet, upon thin board shelves, two and a half feet by four, until they review from their fourth moulting: at which time they are removed upon those shelves into the cocoon recome with the litter that has accumulated since the third moulting. The said eccoon room is constructed long and narrow, 140 feet long and Is wide, and as low as will admit of convenience. The frame of this building consists only of hewed posts and raters, set six feet apart. The posts are well set in the ground and the common earth const

Relief cf Choked Cattle.

Massas. Gave a sum of the shelf of the sum of the shelf, it is let down on the shelf of the sum of the shelf, it is let down on the shelf of the sum of the ground with the litter. The worms are left with a free irrelation of air, and their excrement falls away from them to he ground. The trees are crossed when laid on, which make a strial. It was sometime in February last, that I procured an improved Straw Cutter, Global straight for heir being formed single, and less floss than any other fixture ever saw.

Actual experience has demonstrated the present season, that we have a sum of the sum of the season. But the results in the expense of the worms are left at the more are summed and any other fixture ever saw.

Actual experience has demonstrated the present season, that we have 200,000 to finish their work every two weeks, and the strength of the whole should be filled at once we should a save 200,000 to finish their work every in wo weeks, and the tree castle when choled by making a different proposition for opening the series in the neck, when I perceived that he expense of the machine this season. But the result is much more favorable, for in addition to my rye straw, I had a save 200,000 to finish their work every two weeks, and the trees and the season of swamp-hay, rye, wheat, buckwheat, and pea straw, I had a save 200,000 to finish their work every two weeks, and the trees and the save more than one had forced a way to relieve cattle when choked by making a place of ruta baga, or other roots, I thought I would communicate the process of relief to the Cultivator. Some two or three the cast the choked by threapont of the same goe of own having a place of ruta baga, or other roots, I thought I would communicate the process of relief to the Cultivator. Some two or three the under the cast of the same goe of wathing the series of making the place of ruta baga, or other roots, I thought I would commun

to this mixed mass I added as I cut, it, about one-fourth part good hay. I fed this to my entitle, (16 in number,) just as it came from the machine; they fed on it with a good relish, appeared satisfied, and rather improved in condition. Instead, therefore, of saving only half the expense of my machine, I have saved more than the first cost, (200,) and had I obtained one last fall, it would have saved more than \$50.

I verily believe that one-third more stock might be kept on farms generally by our would be economical farmers turning to good account all their coarse fooder. By obtaining a good machine, I have saved three tons of good fodder which otherwise would scarcely have been worth three hundred of good hay.

To my team horses, one span, I give 20 quarts ground outs with as much cut straw as they will eat; they prefer this feed to clear outs, and are in first rate working order. The length I cut my straw, &c. is three-fourths of an inch, although I see no objections to cutting it longer for cattle. Erother farmers, are not these things worthy your attention? Will you try the experiment? Purchase some good machine; every farmer ought to have one.

Bennington, Vt. May 18, 1841.**

nington, Vt. May 15, 1841.

DURN BOAR—[Fig. 23.

If an importation of Wolton wine was made several year and the street of the property of the street of the property of th

The New-Dork Market.

MONTHLY REPORT FOR SEPTEMBER.

(Prepared for THE CULTIVATOR.)

ASHES.—The demand for Pot Ashes has been during the past month, very brisk, and the receipts continuing to be light the market has been very firm. In the early part of the month both sorts, Pots and Pearls, were at \$3-75, but the small quantities arriving and the favorable news from England induced buyers of Fots to advance their pretensions, to which holders were forced to advance their pretensions, to which holders were forced to advance their pretensions, to which holders were forced to advance their pretensions, to which holders are freely taken for Pearls, which has induced higher demands from holders, and sales have been rande of considerable parcels at \$6.00, at which price the market is fully established. Pots have steadly advanced to \$6-20, and attal price all the receipts are freely taken for export. The news from Liverpool by the last steamer was favorable, the market was firm, and sales had been made of 700 or \$50 bbis. Montreal Ashes at 28s. 6d. for Pots, and 29s. for Pearls. The market here, in consequence of these advices and of wance, and should not the stock be largely increased, the coming month will no doubt see Ashes at a higher figure. It is a very unusual circumstance to find Pots selling at a higher rate than Pearls. The export to the 14th inst. were, Pots 447 bbis, Pearls 161 bbis. The smooth of the first is small, almost to one of the smooth of the first is small, almost to one of the smooth of the first is small, almost to one of the first is small admits. The smooth of the first is small admits to the first is small and the one of the first is to the first in the smooth of the first is to small public. The receipts of the market and every full prices. The advices by the steamer were considerable extent of the first is an experimental tending to declare the smooth of

fin bils. brings \$3.50 @ \$3.62 1-2. Rye Flour is dull at \$3.60 (\$3.62 1-2).

GRAIN.—The quantity of Wheat offering since our last report has not been large, and the price has gradually advanced. The last sales (on Tuesday last) were of 1700 bushels prime old Genesce at \$1.50 for shipment, 4,500 do. at \$1.47, and 1200 new Virginia, for milling, at \$1.40; another parcel offered at the same time was subsequently sold in Albany. It is doubtful if these rates could be obtained for further lots, as wheat at \$1.50 makes Flour cost \$7.50 Pe bil. There is a fair denand for Wheat for shipment to Nova Scotia and the West Indies, but at the present high rates shippers generally are unwilling to operate. The receipts of Corn during the month avec been more plentiful, and this fact, with the cessation to a considerable extent, within a week, of the demand for the supply of Eastern ports, and the disinclination evinced by distillers to come into market at the present low rates for Whisker, has produced a heaviness in the market, and holders have found it difficult to make sales at a reduction of 3 to 8c. Pe bush. Sales of Northern have been made at 76 measure, and it is freely offered at 74 weight. Jersey sells at 74 @ 75 weight. The market has been hare of Southern for some time past. We shall probably begin to receive new corn about the last of October. Northern Ryc has continued during the month in brisk demand with a light supply, and has for some time past. We shall probably begin to receive new corn about the last of October. Northern Ryc has continued during the month in brisk demand with a light supply, and has for some time past. We have known symbol of that kind which is pure and about the lat Oct. It will arive in considerable quantities.

Oats have been in steady demand without material variation. The supply is just now abundant, and the demand has fallen off. We quote the Northern dull at 48c. for new, and 80c. for old. There has been no Southern Oats at market for some weeks. The season for Barley is approaching, but no estimate can yet be formed of the price it will open at.

PROVISIONS.—There is but little change to notice in these articles. The immense stock of Pork which had accumulated here to an amount never before known, has been somewhat reduced, but not to an extent sufficient to affect prices materially. The demand for export is still imited, having been from the 1st to 18th inst. orily 1,864 bbls. The market since our last has remained steady at \$6.00 for Onlo Prime, and Mess \$8-876 (6 10-374 for N. York State, and \$9.00 fill for Lower Country. For home consumption the demand, both for Pork and beef, has been languid, and the latter has suffered a slight decline. Sales Prime have been made at \$8-80, and Mess at \$9-80, for City inspection. Country inspection has been sold at a lower rate. For Lard there has been lately a brisk demand at improving rates, but within a day or two the inquiry has been less active. Prime Western brings in blbs. 7ic. and in kegs 7ic. 97 [c. Northern brings \$ic. @ 9c. Pickled Hams sell at \$6.00 f. 20. Smoked do. 4c. 20. 8c. and Shoulders 3 1-2c. For Goshen Butter there is a good demand at 20c. and the receipts are not large. For the common quality 14c. 20 fdc. is obtained. The shipping qualities are at 11c. 20. 12c. 20 foc. 3 fill.

For the common quality 14c. 20 fdc. is obtained. The shipping qualities are at 11c. 20 fellow. The stock is fair, and prices will hardly be sustained during the next month. Cheese has advanced, and agod sells freely at 6c. 20 fc.

RICE.—The high rates at which the article has been held at the South, has, to some extent, prevented shipments to the North, and the drain upon the stock here for shipment and consumption, has reduced it very low. The demand is good, and through the mo

Do. 32 lumps 16c. @ 20c.; Ladies' Twist 16c. @ 20c.; Cavendish 10c. @ 40c.

TALLOW.—For City rendered, the Butchers are asking 91-2c. but sell occasional lots at 9c. to go out of the market. Other descriptions sell freely to manufacturers on arrival at lower rates. The market is bare of Foreign. The stock in the hands of the Butchers is very large, but they are firm at 91-2c.

WOOL.—There is not a very active business doing in this great staple, but a demand exists to a fair extent. Primes are not very well sustained, and in the Country a slight decline has been submitted to. It is estimated that the consumption of Wool would have been four or five million pounds greater in the New-England States, had not the drouth stopped much of the machinery. The stock here is rather large. We quote Saxony Fleece 45c. @ 49c.; Full-blood Merino 40c. @ 43c.; half and three-quarter Merino 33c. @ 35c.; Native to quarter 25c. @ 30c., Superfine, pulled, 36c. @ 40; No. 1 do. 34c. @ 36c.; No. 2 do. 25c. @ 28c.

CATTLE.—Bervas.—The supply on the last market day was

30c., Superfine, pulled, 36c. & 40; No. 1 do. 34c. & 36c.; No. 2 do. 26c. @ 28c. & 28c. Express.—The supply on the last market day was larger than for some time past, and prices in consequence declined a shade. Fourteen hundred and fifty head were offered, including 100 left over from the previous week. Twelve hundred head were disposed of at \$5 @ \$7, averaging \$5.75, being a decline of 28c \$100 lbs. on the previous week. The average sales in the first of the month were at \$5.57.1-2. Cows and Calves.—Sixty-five, mostly small and inferior, were at market, and fifty were taken at \$5 @ \$73 @ \$38 each. Sixty and the stand, most of which were sold at \$1.50 @ \$4.50 for Sheep, and \$1 @ \$2.75 for Lambs, according to quality.

HAY.—There has been a fair supply, and the rate has been firm, with a tendency to advance. Loose, by the load, is selling at 91 @ 106c. \$100 lbs. In the early part of the month, the rate was \$1.4c. @ 100c. \$100 lbs.

New mone of Marino Cheese.—A Maine paper gives the following account of a new process of making cheese, which promises well where only one or two cows are kept, as it has been "repeatedly tried with flattering success."—The milk is set in the ordinary way every morning, and the curd is separated from the whey as well as it can be with the hands. It is then pressed compactly into the bottom of an carthen (or stone) por, and covered over with several folds of dry linen or cotton cloth. By this process the remaining whey is absorbed, and when the cloth becomes saturated, it is removed and a dry one placed in its stead. In the course of a day and night the whey is removed as effectually as it could be done by pressing. The next morning the milk is prepared in the same manner, and the curd is packed closely upon the top of that prepared the day previous, and the same method pursued in separating the moisture. This process is to be repeated till you have a cream pot full of cheese. The labor is much less than in the old method, and the care of it afterwards comparatively nothing.

Coax On.—A late number of the Niles (Michigan) Republican

Notices to Correspondents, &c.

We acknowledge the receipt, during the last month, of communications from James M. Garnett, (dated in July,) Solon Robinson, S. W. Bartlett, Charles Starr, jr., C. N. O., Sheidon Moore, A Friend to Good Stock, J. W., J. M. Weeks, A. Huyck, A. Reader, S. Denison, C. N. Bement, O. Cardin, B. M., W. J. D., F. Minor, E. Link, M. E. Merwin, Joseph Coe, J. N. Keeler, John Lewis, A Friend to Southern Planters, T. Hudson, Commentator, J. L. Bowman, J. B. Tillinghast, Richard Fisk, (dated in May,) D. F. Lott, J. Burrows, D. L. Dodge, Wm. Anderson, F. D. Huntington.

D. Huntington.

Acknowledgments.

During the last month we have recived,

From Gro. C. Thorsuers, Esq., New-York, "The Journal of the
Royal Agricultural Society of England, part II., vol. 2," and
the last No. of "The British Farmer's Magazine," for which,
as well as for many similar favors, Mr. Thorburn will please
accept our thanks.

From Davios & Saxios, New-York, a new edition, just issued
by them, of Prof. Hitchcock's "Elementary Geology, with an
Introductory Notice, by Dr. John Pye Smith."

From Willer & Poissan, publishers, New-York, the first American edition of "A Treatise on Sheep, with the best means for
their Improvement, General Treatment, and the Treatment
of their Diseases, by Ambrose Blacklock."

From Thomas Appleck, the editor, a copy of "The Western
Farmer and Gardener's Almanac, for 1842."

From William Blueron, Esq., of Field Hall, Uttoxeter, England,
copies of his Essays on "Stean Plowing," and on "Milking,"
for which he has our thanks.

copies of his Essays on "Steam Plowing," and on "Milking," for which he has our thanks.
"The Mark-Lane Express," London, from the editor and publisher, to whom we are indebted for the regular weekly numbers of that paper in exchange for the Cultivator.
From C. P. Bosson, editor Yankee Farmer, Boston, "A Short and Simple Letter from a Conservative Brekeeper." For sale at his office in Boston, and by Geo. C. Thorburn, New-York—price 12-12-cents.
From Jons Towssend, Esq., of this city, half a dozen ears of Dutton Corn, raised on his farm near this city, at least equal to any we have ever seen.
From Wa. H. Sorhan, Perch Lake Farm, samples of the Potato, mentioned in his letter in the last No. of the Cultivator.
From G. Churchill, Esq., Ridge Prairie, Illinois, Seeds and Leaf of the wild White Hollyhock.

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